

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117108.D
 Acq On : 17 Sep 2019 15:57
 Operator : HP/JU
 Sample : K4883-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW2-R2-2

Quant Time: Sep 18 03:50:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

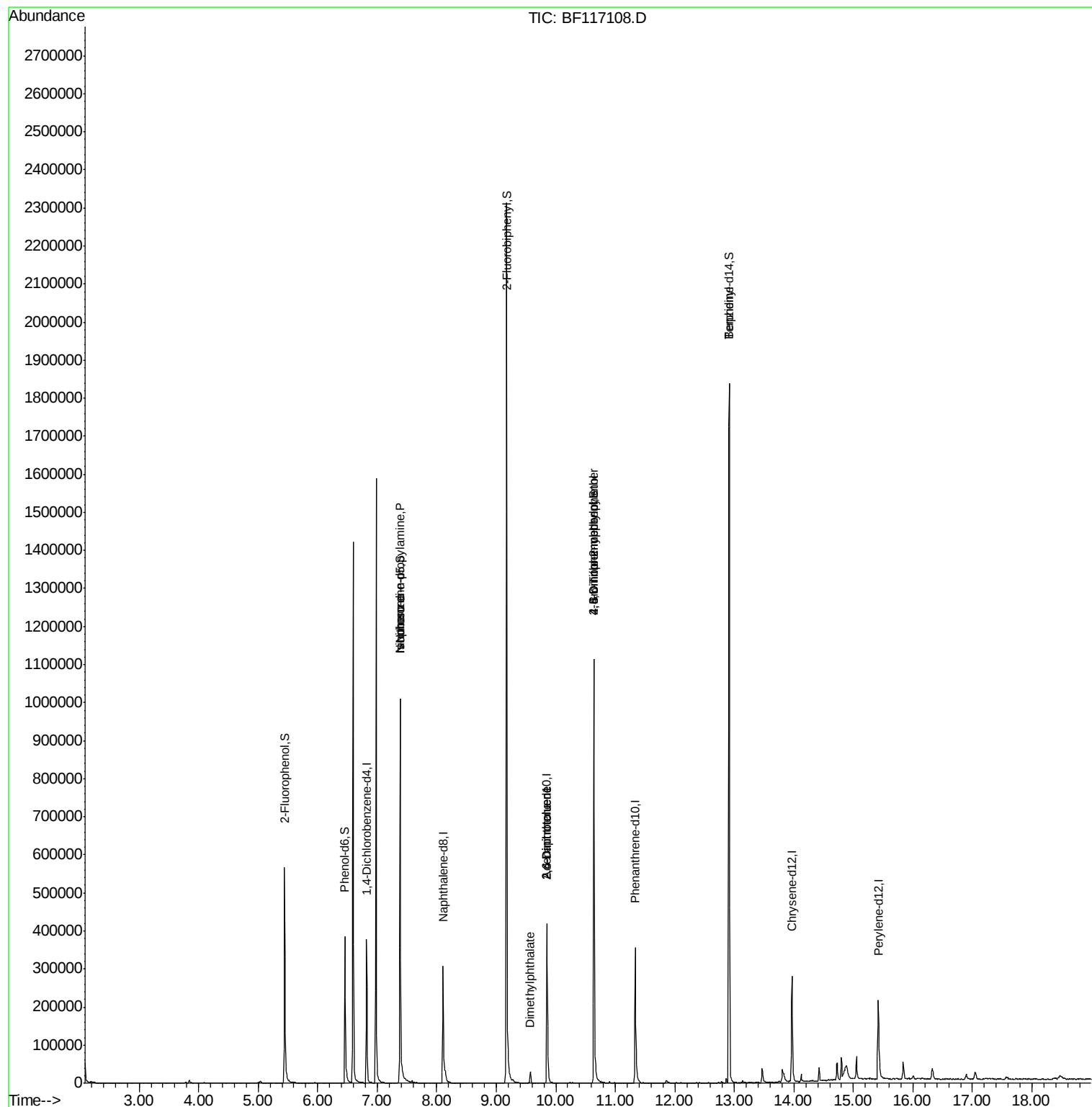
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	56893	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	219419	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	110643	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	180478	20.00	ng	0.00
76) Chrysene-d12	13.97	240	116588	20.00	ng	0.00
87) Perylene-d12	15.42	264	107681	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	195327	53.60	ng	0.00
7) Phenol-d6	6.46	99	158732	33.70	ng	0.00
23) Nitrobenzene-d5	7.39	82	414994	99.38	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	141531	153.05	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	749050	105.85	ng	0.00
79) Terphenyl-d14	12.92	244	680728	109.14	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	9822	Below Cal		Qvalue # 76
19) n-Nitroso-di-n-propylamine	7.39	70	52622	18.350 ng	#	78
25) Isophorone	7.39	82	415029	56.130 ng	#	66
50) Dimethylphthalate	9.57	163	18982	2.423 ng		98
51) 2,6-Dinitrotoluene	9.85	165	13913	8.720 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	13913	6.718 ng	#	18
65) 4,6-Dinitro-2-methylphenol	10.64	198	135	7.043 ng	#	1
67) 4-Bromophenyl-phenylether	10.64	248	8991	4.878 ng	#	1
77) Benzidine	12.91	184	9619	2.561 ng	#	90

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

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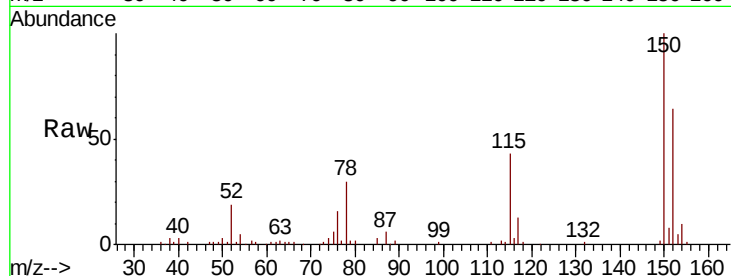


#1

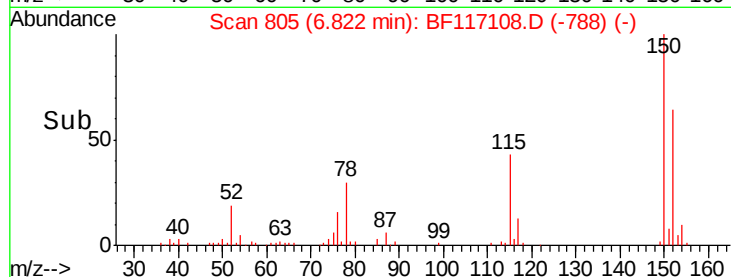
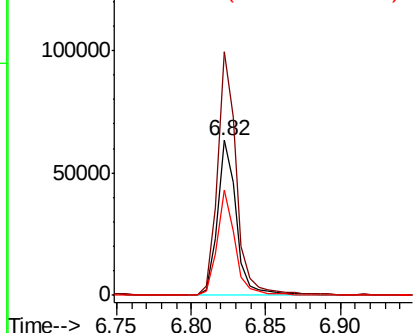
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117108.D
Acq: 17 Sep 2019 15:57

Instrument :
BNA_F
ClientSampleId :
MW2-R2-2

Tot Ion:152 Resp: 56893
Ion Ratio Lower Upper
152 100
150 157.0 127.5 191.3
115 68.0 55.0 82.4



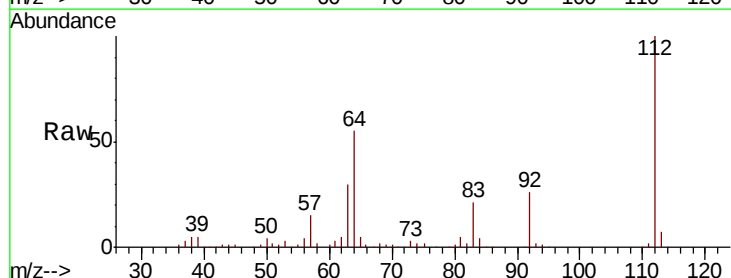
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



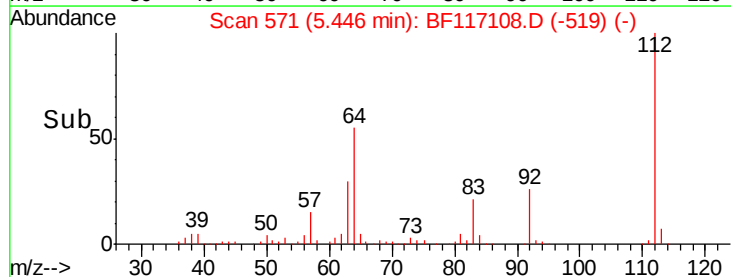
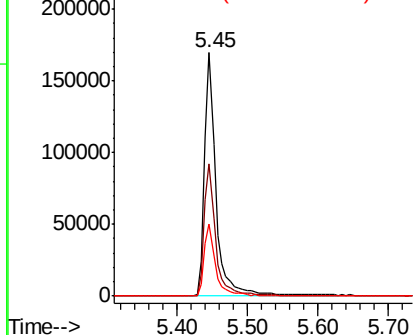
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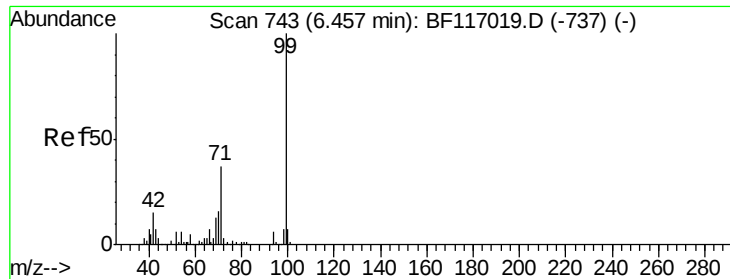
2-Fluorophenol
Concen: 53.601 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117108.D
Acq: 17 Sep 2019 15:57

Tgt Ion:112 Resp: 195327
Ion Ratio Lower Upper
112 100
64 54.6 45.7 68.5
63 29.6 24.9 37.3



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: 33.705 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117108.D

Acq: 17 Sep 2019 15:57

Instrument :

BNA_F

ClientSampleId :

MW2-R2-2

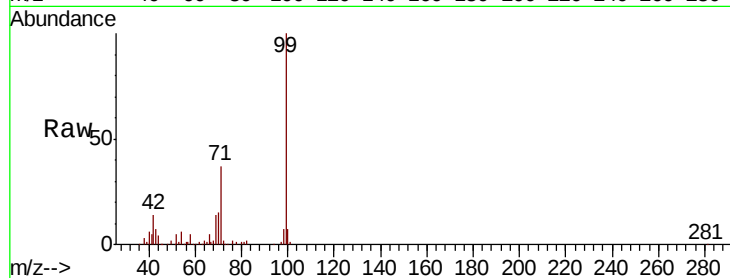
Tot Ion: 99 Resp: 158732

Ion Ratio Lower Upper

99 100

42 14.0 12.2 18.2

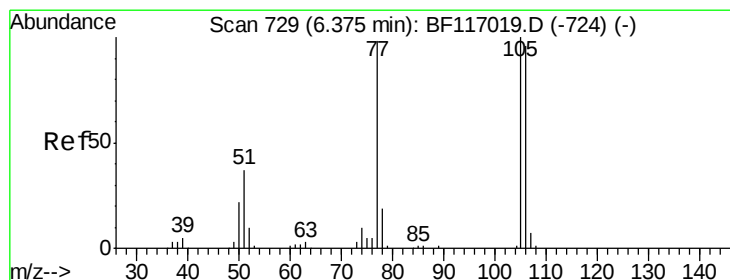
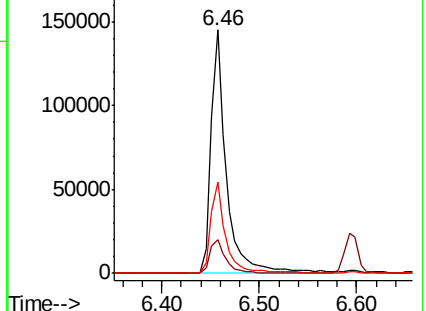
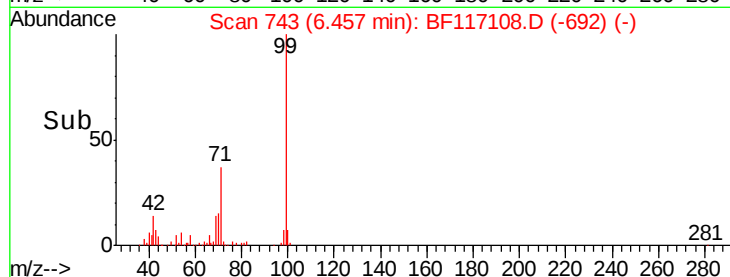
71 37.4 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF117108.D

Acq: 17 Sep 2019 15:57

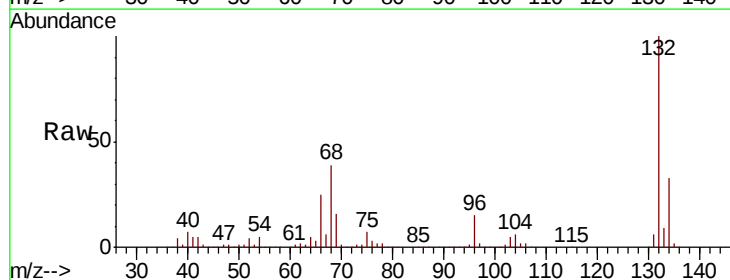
Tgt Ion: 77 Resp: 9822

Ion Ratio Lower Upper

77 100

105 81.1 81.8 121.8#

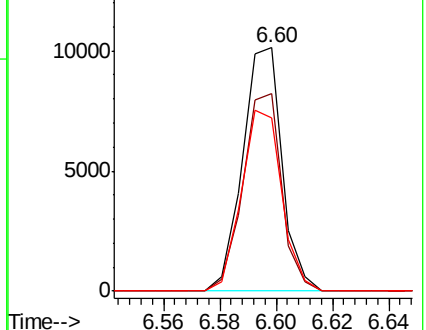
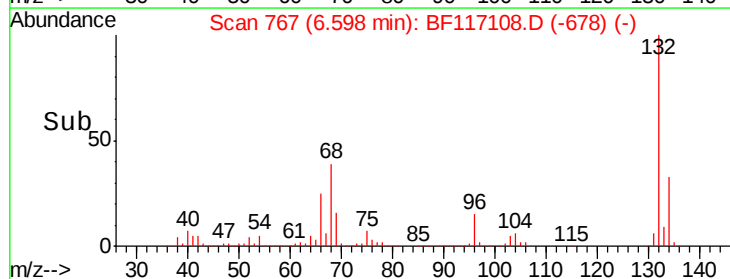
106 71.0 77.3 117.3#

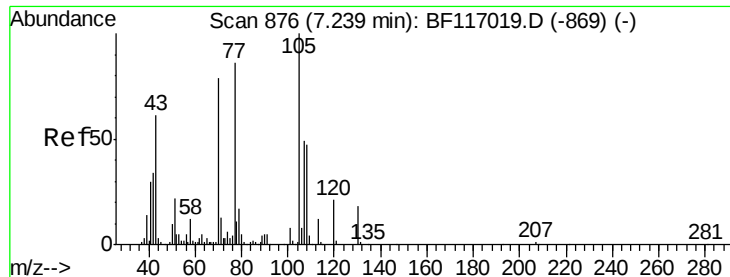


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

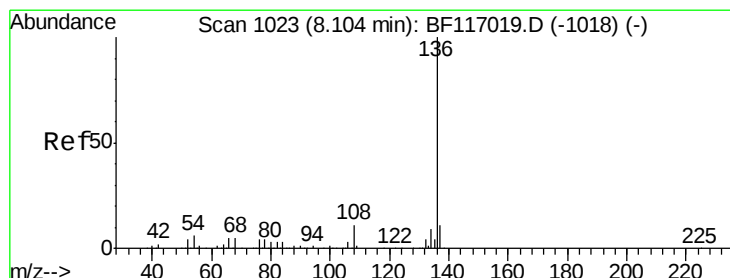
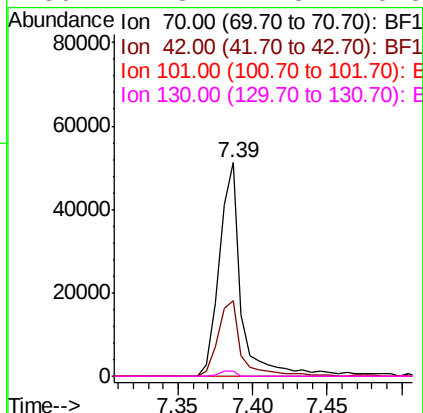
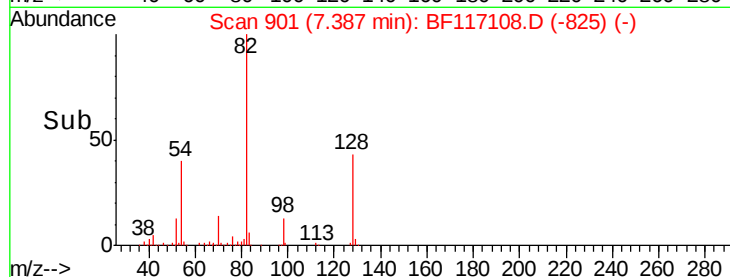
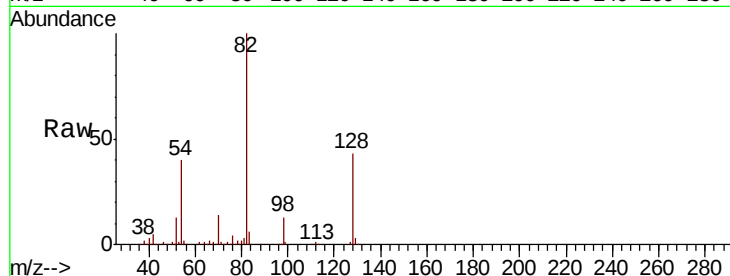




#19
n-Nitroso-di-n-propylamine
Concen: 18.350 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117108.D
Acq: 17 Sep 2019 15:57

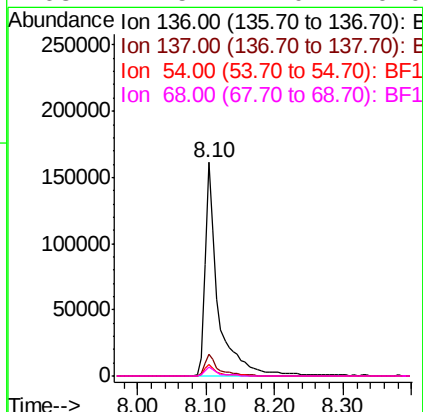
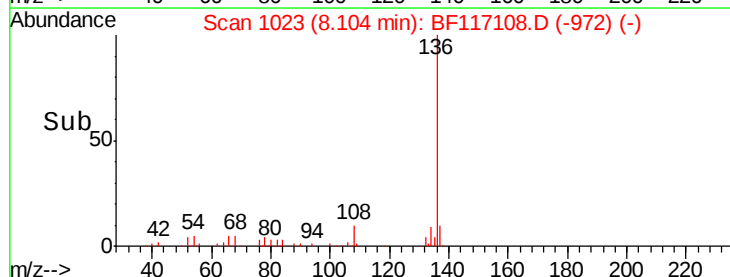
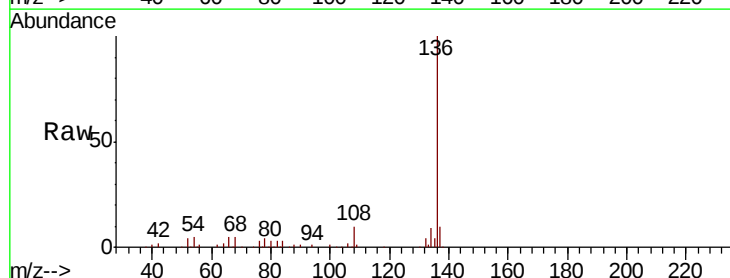
Instrument :
BNA_F
ClientSampleId :
MW2-R2-2

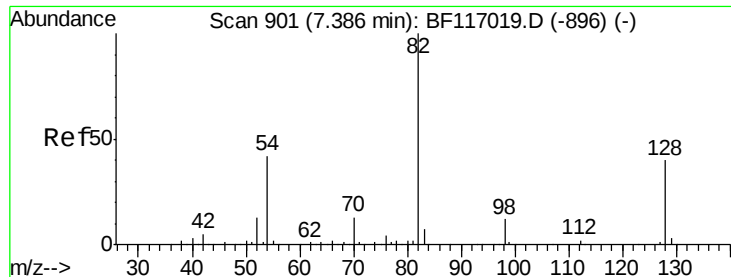
Tot Ion: 70 Resp: 52622
Ion Ratio Lower Upper
70 100
42 35.3 34.0 51.0
101 0.0 7.8 11.6#
130 2.3 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117108.D
Acq: 17 Sep 2019 15:57

Tgt Ion: 136 Resp: 219419
Ion Ratio Lower Upper
136 100
137 10.1 9.0 13.4
54 5.2 4.5 6.7
68 4.5 4.0 6.0

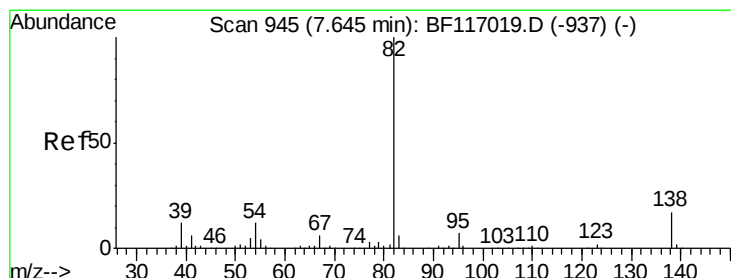
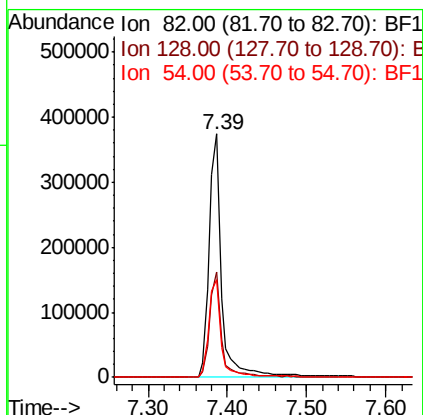
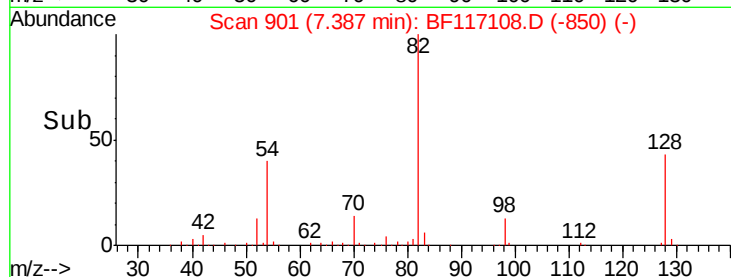
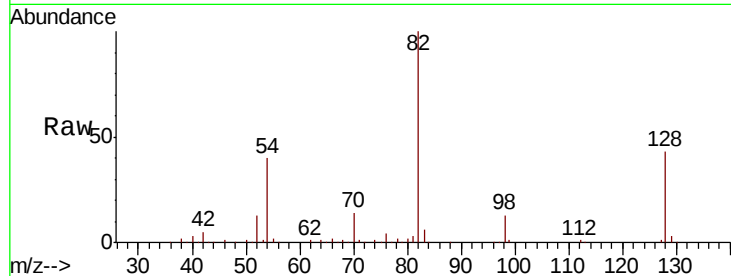




#23
 Nitrobenzene-d5
 Concen: 99.375 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117108.D
 Acq: 17 Sep 2019 15:57

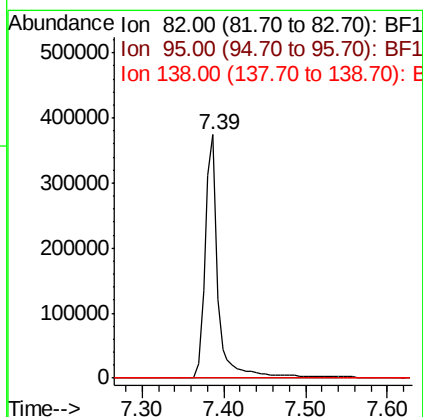
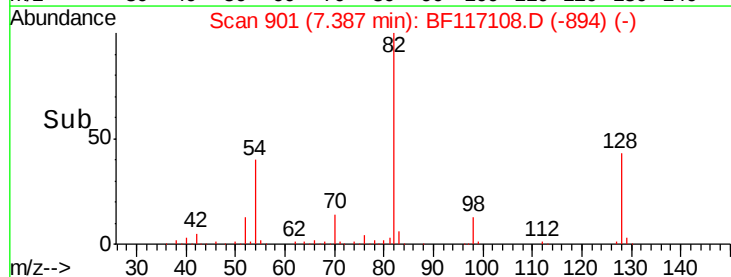
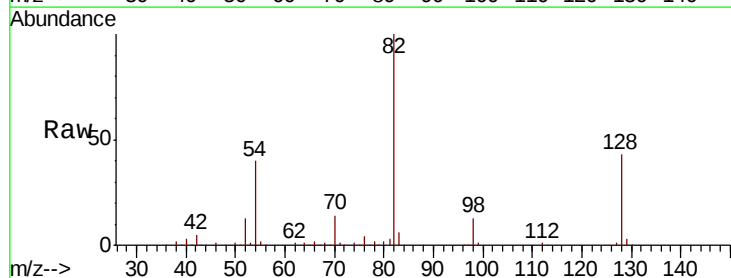
Instrument :
 BNA_F
 ClientSampleId :
 MW2-R2-2

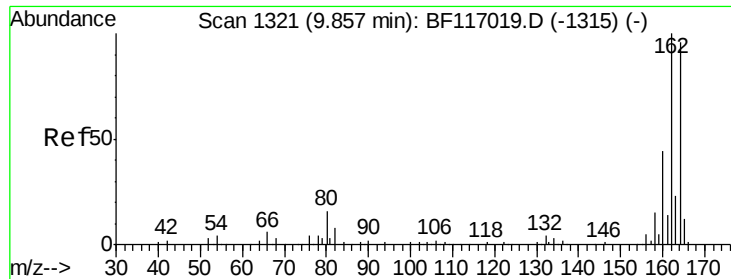
Tot Ion	82	Resp	414994
Ion Ratio	Lower	Upper	
82	100		
128	43.3	32.3	48.5
54	40.3	33.3	49.9



#25
 Isophorone
 Concen: 56.130 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.26 min
 Lab File: BF117108.D
 Acq: 17 Sep 2019 15:57

Tgt Ion	82	Resp	415029
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

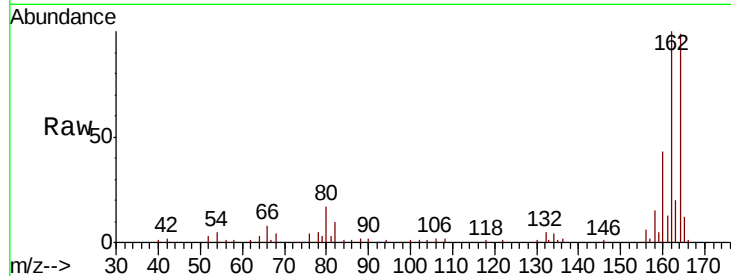




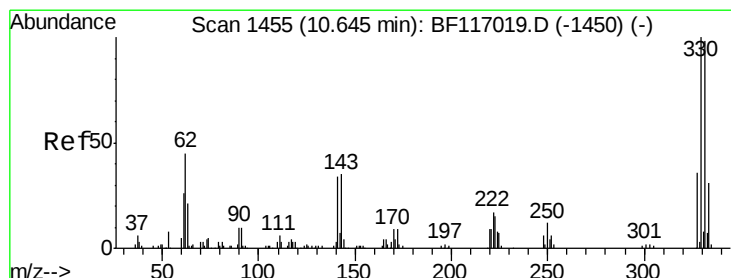
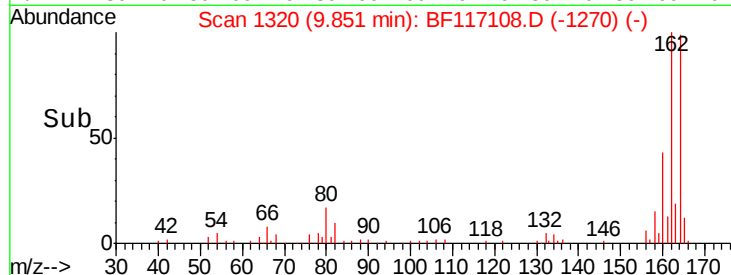
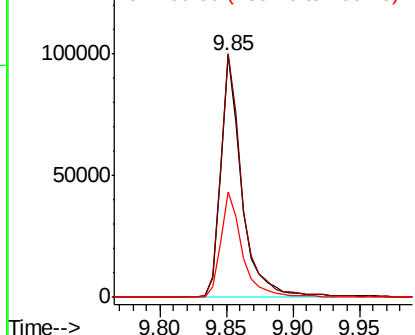
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117108.D
Acq: 17 Sep 2019 15:57

Instrument :
BNA_F
ClientSampleId :
MW2-R2-2

Tot Ion:164 Resp: 110643
Ion Ratio Lower Upper
164 100
162 100.5 83.4 125.2
160 43.6 36.4 54.6

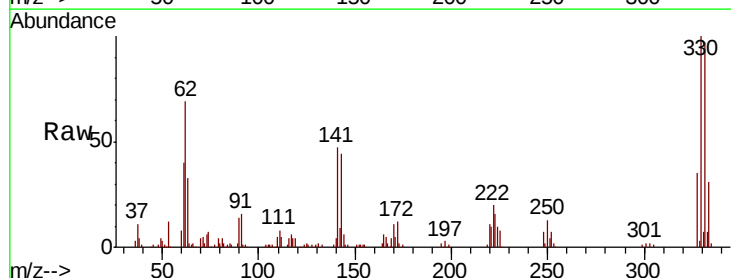


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

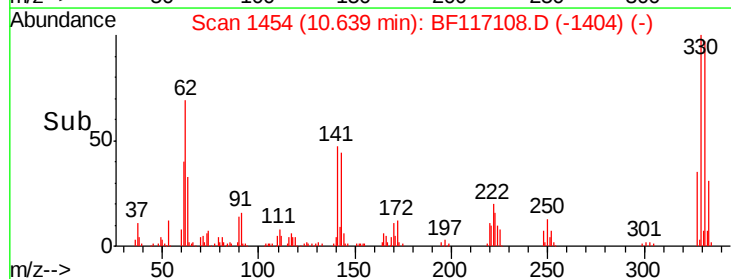
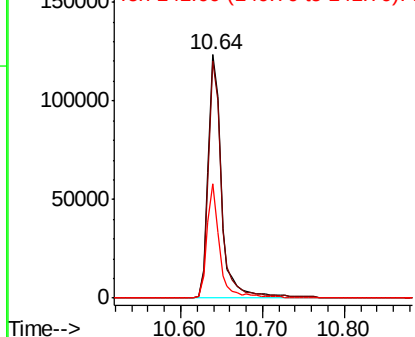


#42
2,4,6-Tribromophenol
Concen: 153.052 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117108.D
Acq: 17 Sep 2019 15:57

Tgt Ion:330 Resp: 141531
Ion Ratio Lower Upper
330 100
332 96.1 78.0 117.0
141 44.1 35.8 53.6



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

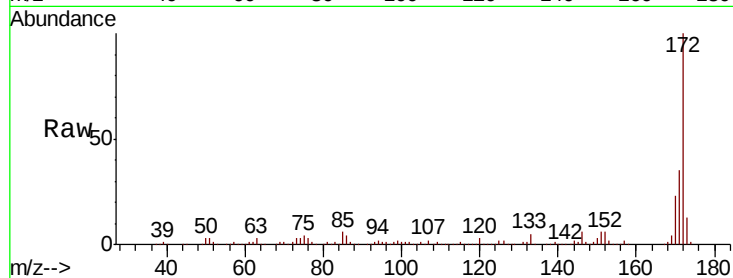




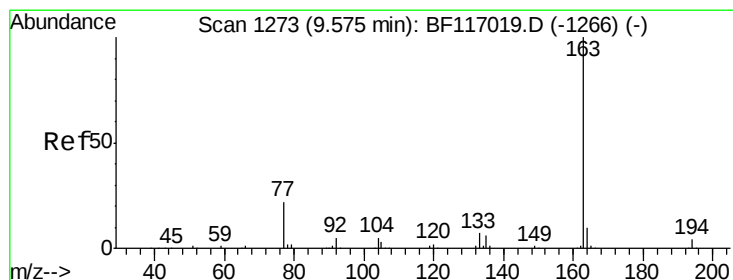
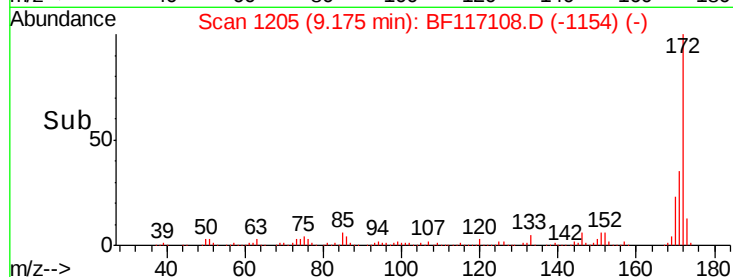
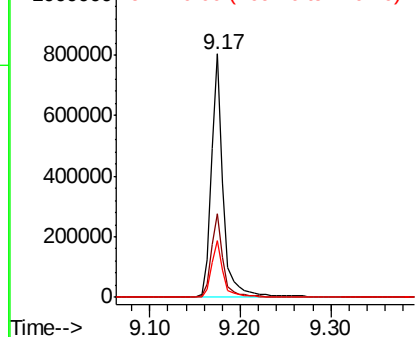
#45
2-Fluorobiphenyl
Concen: 105.854 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117108.D
Acq: 17 Sep 2019 15:57

Instrument :
BNA_F
ClientSampled :
MW2-R2-2

Tot Ion:172 Resp: 749050
Ion Ratio Lower Upper
172 100
171 34.5 28.2 42.2
170 23.0 18.9 28.3

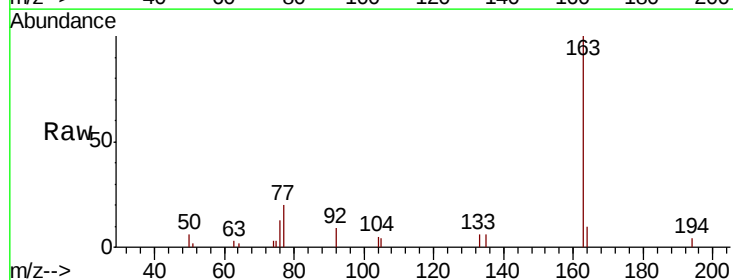


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

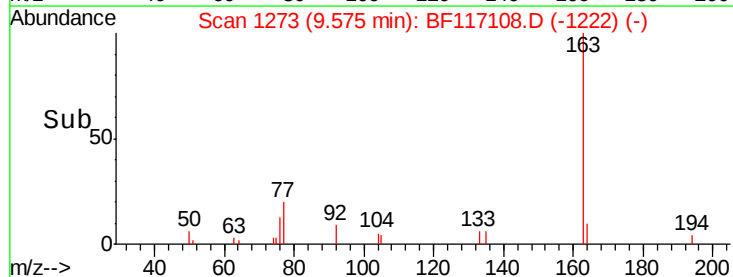
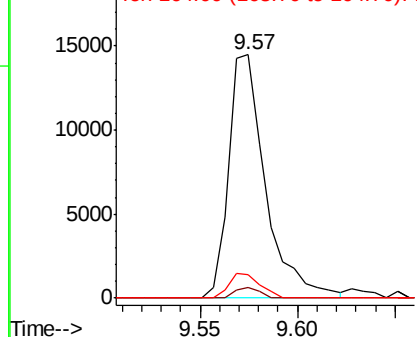


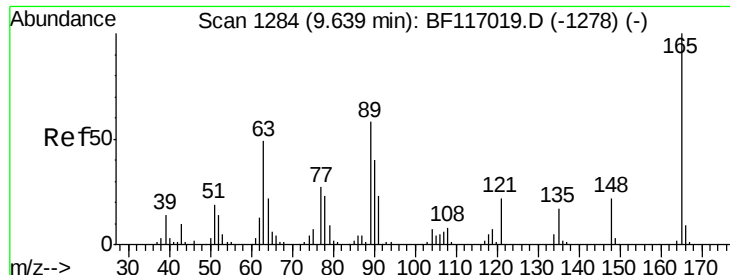
#50
Dimethylphthalate
Concen: 2.423 ng
RT: 9.57 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BF117108.D
Acq: 17 Sep 2019 15:57

Tgt Ion:163 Resp: 18982
Ion Ratio Lower Upper
163 100
194 4.2 2.9 4.3
164 9.7 8.2 12.4



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

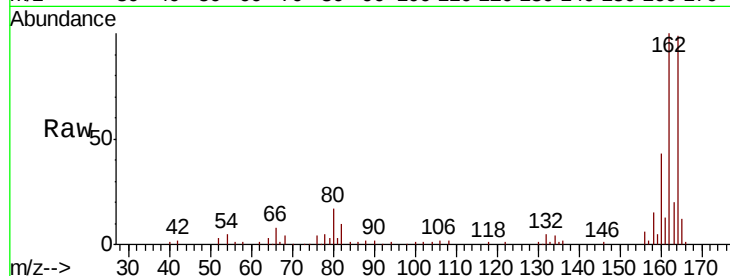




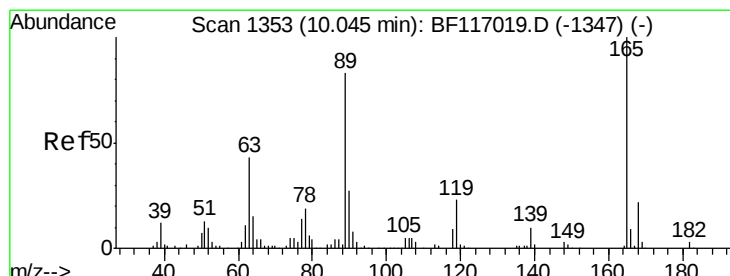
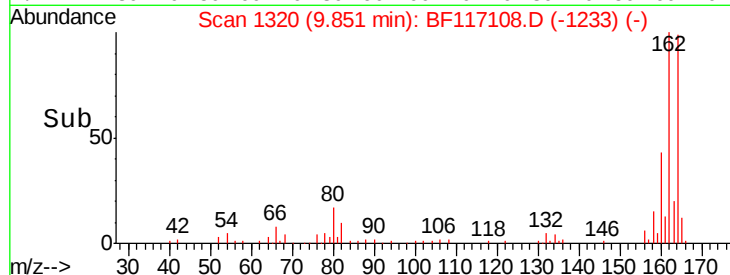
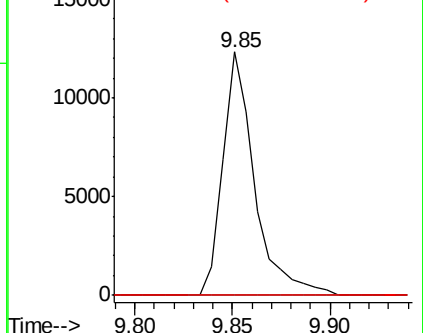
#51
 2,6-Dinitrotoluene
 Concen: 8.720 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117108.D
 Acq: 17 Sep 2019 15:57

Instrument :
 BNA_F
 ClientSampleId :
 MW2-R2-2

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#



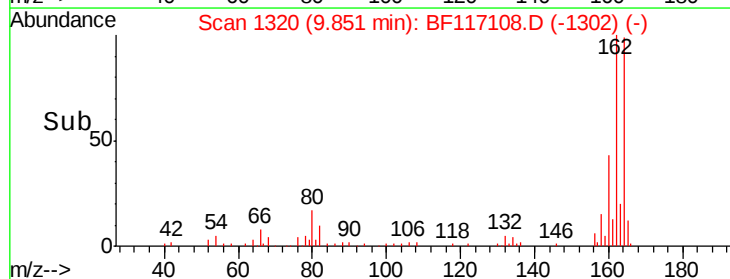
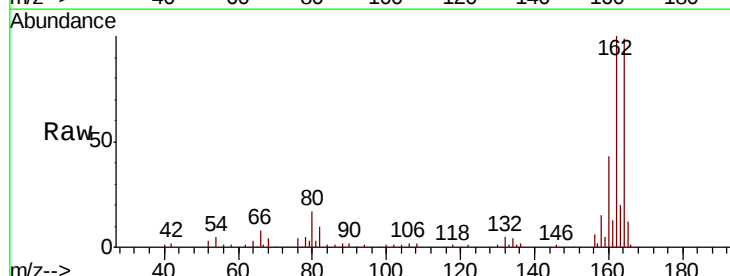
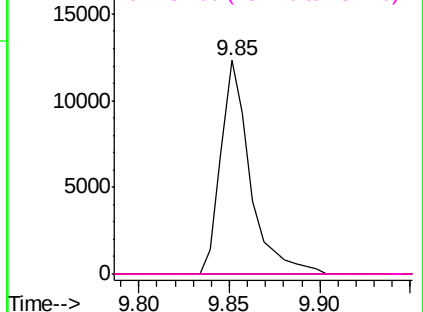
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

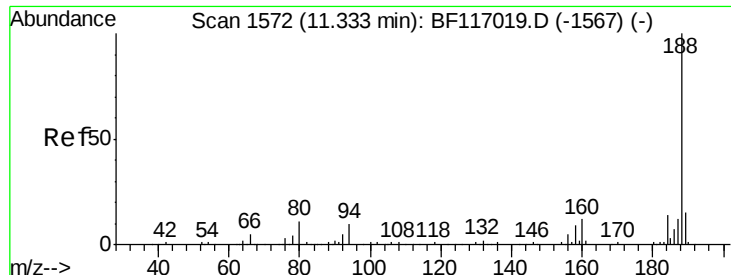


#57
 2,4-Dinitrotoluene
 Concen: 6.718 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117108.D
 Acq: 17 Sep 2019 15:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#

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: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF117108.D

Acq: 17 Sep 2019 15:57

Instrument :

BNA_F

ClientSampleId :

MW2-R2-2

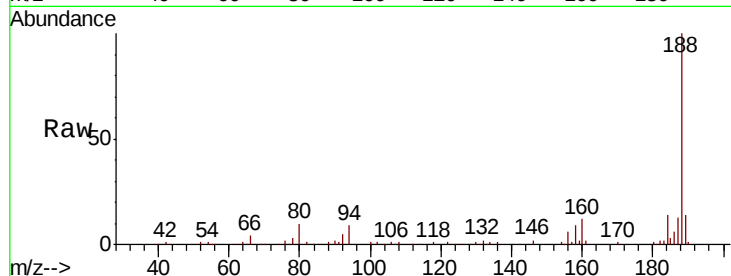
Tot Ion:188 Resp: 180478

Ion Ratio Lower Upper

188 100

94 8.8 8.2 12.2

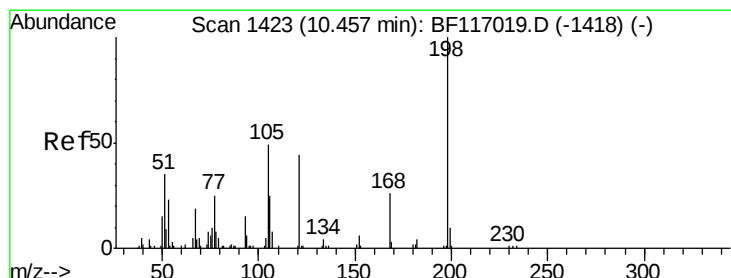
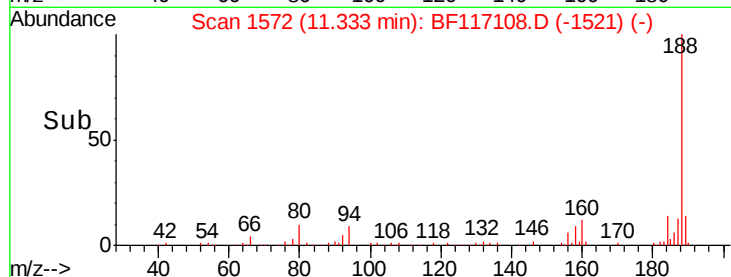
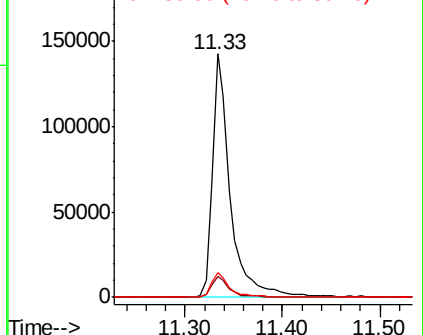
80 10.0 9.0 13.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.043 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF117108.D

Acq: 17 Sep 2019 15:57

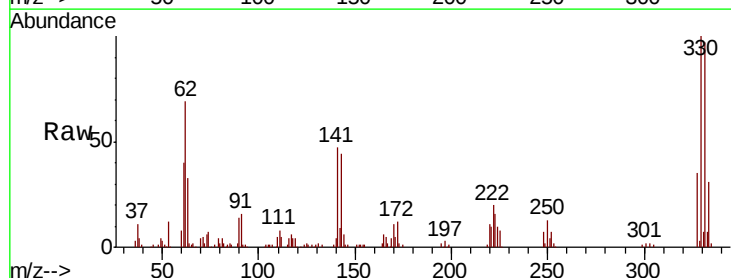
Tgt Ion:198 Resp: 135

Ion Ratio Lower Upper

198 100

51 192.4 18.7 58.7#

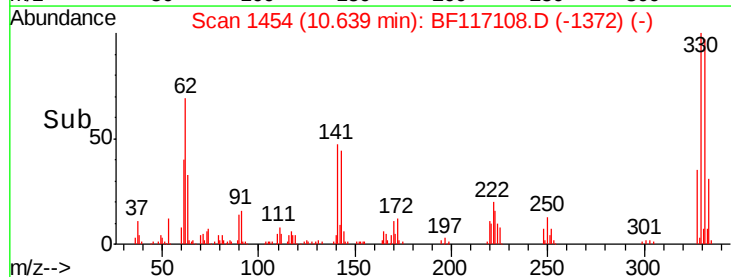
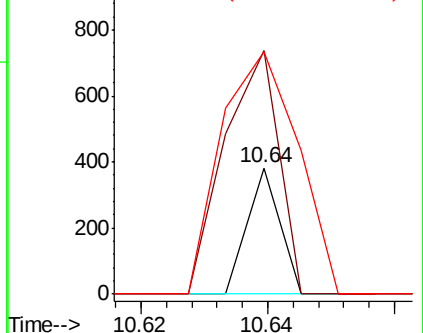
105 191.6 30.2 70.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.878 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF117108.D

Acq: 17 Sep 2019 15:57

Instrument :

BNA_F

ClientSampleId :

MW2-R2-2

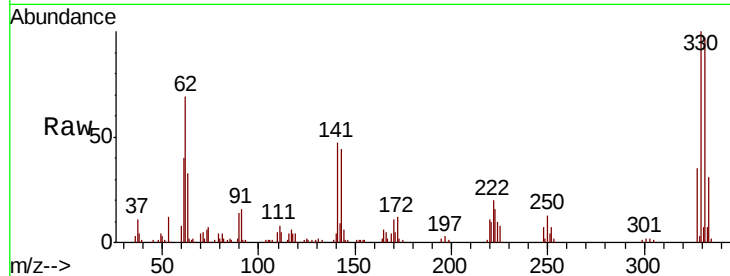
Tot Ion:248 Resp: 8991

Ion Ratio Lower Upper

248 100

250 183.9 76.2 114.4#

141 647.6 75.0 112.4#

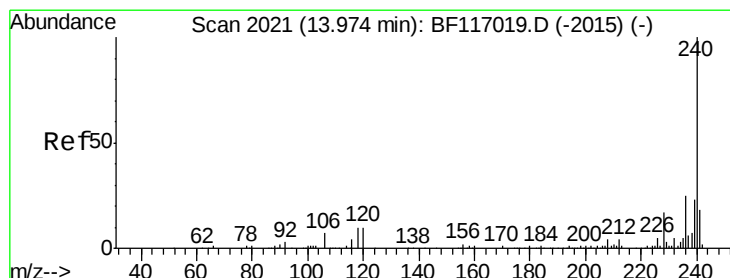
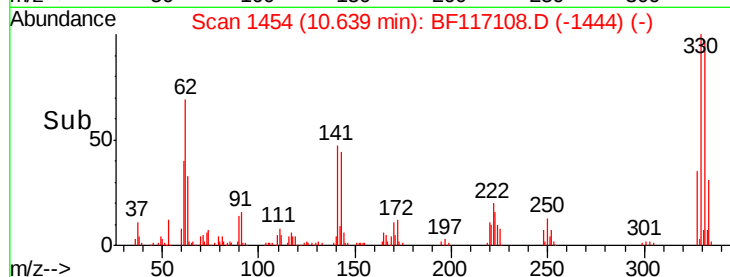
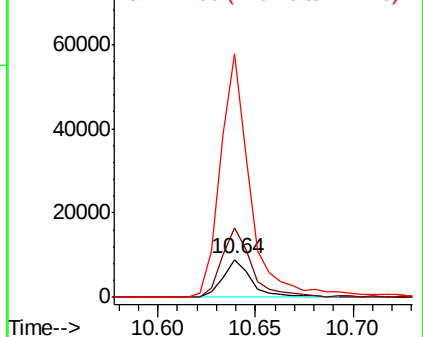


Abundance

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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF117108.D

Acq: 17 Sep 2019 15:57

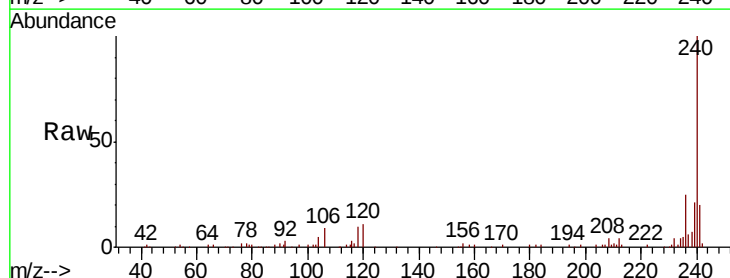
Tgt Ion:240 Resp: 116588

Ion Ratio Lower Upper

240 100

120 10.5 8.3 12.5

236 25.4 20.3 30.5

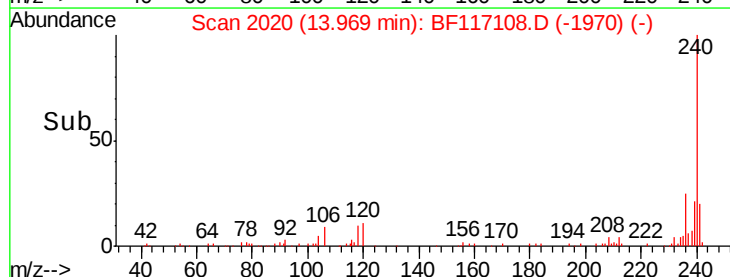
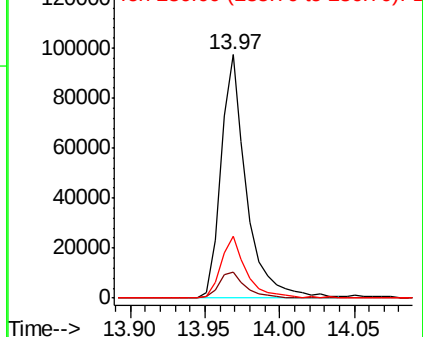


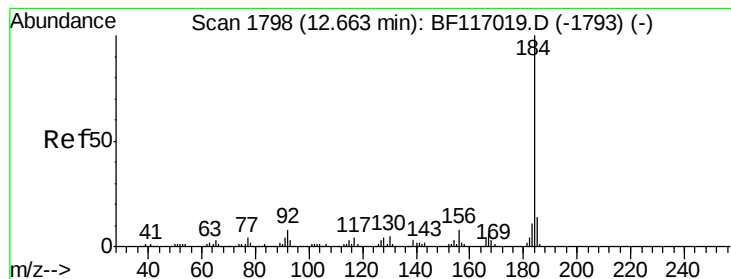
Abundance

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: 2.561 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.25 min

Lab File: BF117108.D

Acq: 17 Sep 2019 15:57

Instrument :

BNA_F

ClientSampleId :

MW2-R2-2

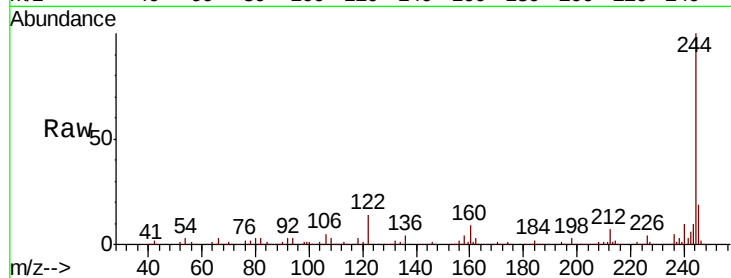
Tot Ion:184 Resp: 9619

Ion Ratio Lower Upper

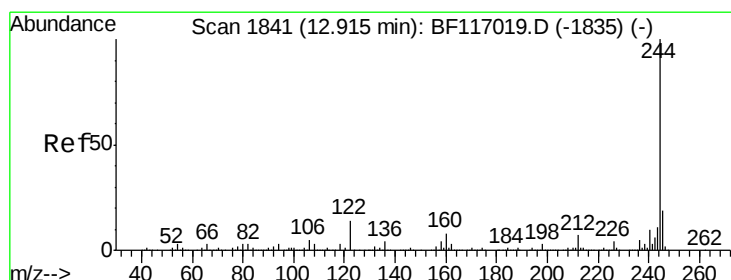
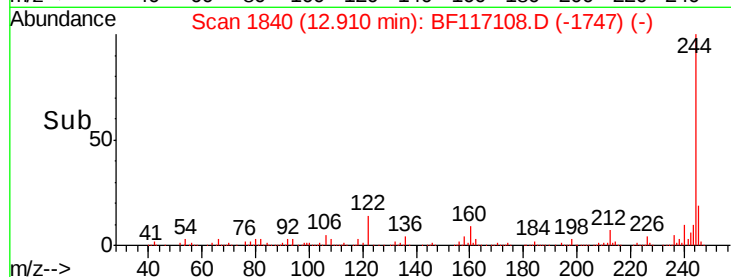
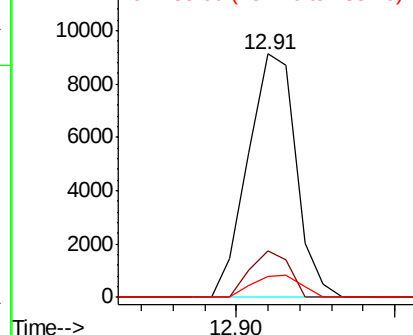
184 100

185 19.2 11.6 17.4#

183 8.5 9.0 13.4#



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: 109.139 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117108.D

Acq: 17 Sep 2019 15:57

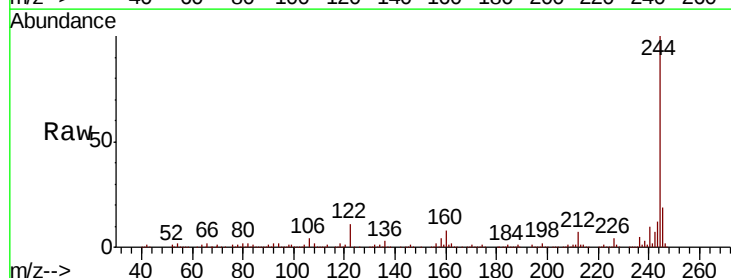
Tgt Ion:244 Resp: 680728

Ion Ratio Lower Upper

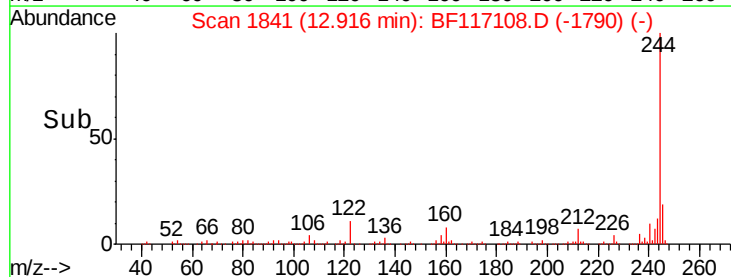
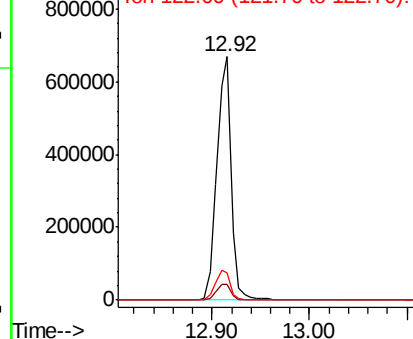
244 100

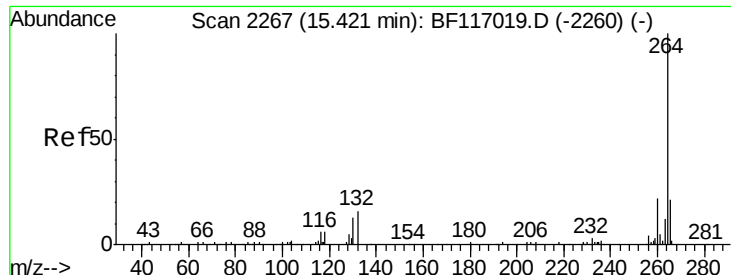
212 6.7 5.8 8.8

122 11.4 11.3 16.9



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
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF117108.D
 Acq: 17 Sep 2019 15:57

Instrument :
 BNA_F
 ClientSampleId :
 MW2-R2-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	17.6	26.4
265	21.2	16.6	24.8

