

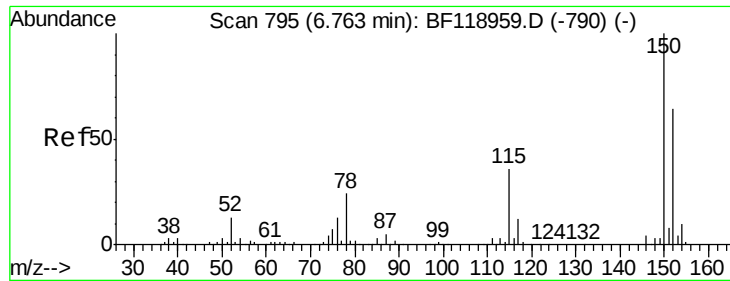
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
 Data File : BF118968.D
 Acq On : 20 Feb 2020 19:41
 Operator : CG/JU
 Sample : L1599-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 02:11:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	2485	20.00	ng	0.00
21) Naphthalene-d8	0.00	136	0	0.00	ng	-8.05
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-9.79
64) Phenanthrene-d10	11.33	188	135	20.00	ng	0.05
76) Chrysene-d12	0.00	240	0	0.00	ng	-13.91
87) Perylene-d12	0.00	264	0	0.00	ng	-15.33
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	944599	6352.49	ng	0.00
7) Phenol-d6	6.40	99	1155684	6390.52	ng	0.00
23) Nitrobenzene-d5	7.32	82	754250	0.00	ng	-0.01
42) 2,4,6-Tribromophenol	10.58	330	441759	0.00	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	1427806	0.00	ng	0.00
79) Terphenyl-d14	12.86	244	1754686	0.00	ng	0.00
Target Compounds						
6) Aniline	6.41	93	157	0.704	ng	# 1
9) Benzaldehyde	6.40	77	2075	17.174	ng	# 1
10) Phenol	6.41	94	11609	59.374	ng	# 96
11) bis(2-Chloroethyl)ether	6.41	93	157	1.049	ng	# 1
15) Benzyl Alcohol	6.92	79	13492	103.227	ng	# 48
16) 2,2'-oxybis(1-Chloropropan	7.04	45	369	2.847	ng	# 52
17) 2-Methylphenol	6.91	107	137	1.053	ng	# 1
19) n-Nitroso-di-n-propylamine	7.32	70	103448	981.689	ng	# 77
20) 3+4-Methylphenols	6.91	107	137	0.859	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.57	198	930	1138.446	ng	# 1
66) n-Nitrosodiphenylamine	10.57	169	11593	2622.616	ng	# 41
73) Carbazole	11.51	167	1803	275.125	ng	# 58
74) Di-n-butylphthalate	11.94	149	231	29.107	ng	# 78
75) Fluoranthene	12.47	202	273	34.934	ng	# 64

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

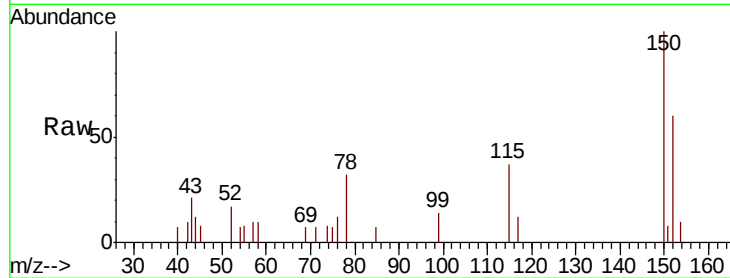


#1

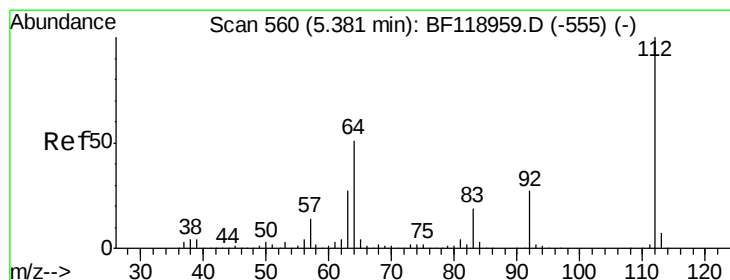
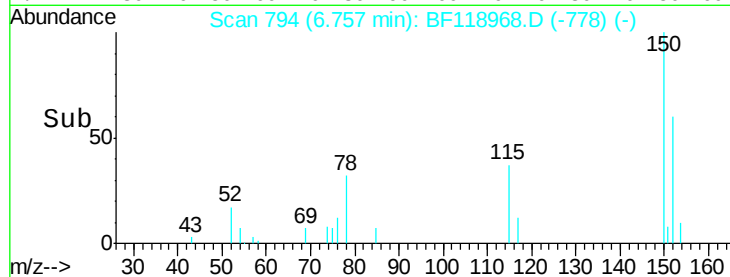
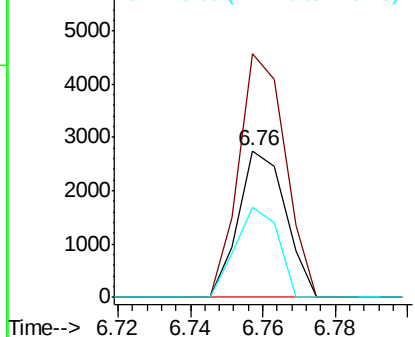
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF118968.D
Acq: 20 Feb 2020 19:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	166.2	124.3	186.5
115	61.3	44.6	67.0



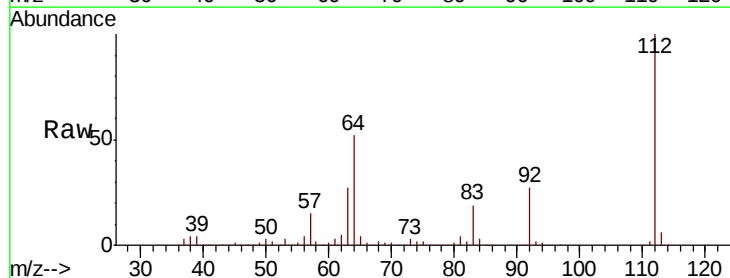
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



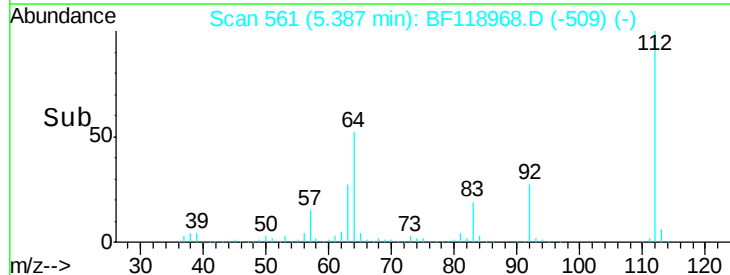
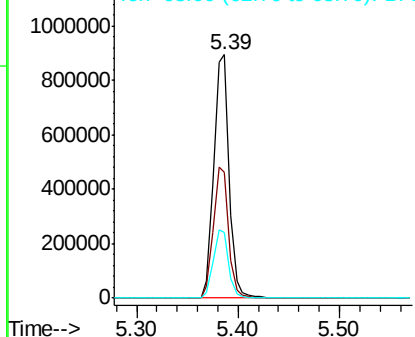
#5

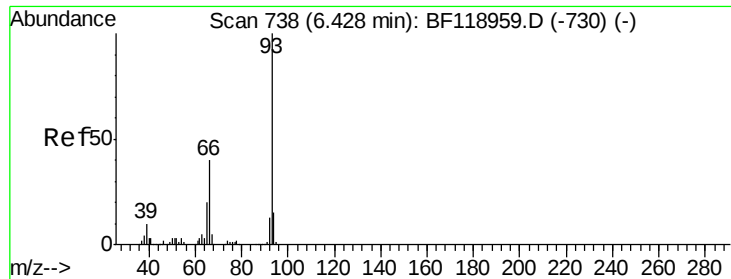
2-Fluorophenol
Concen: 6352.486 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF118968.D
Acq: 20 Feb 2020 19:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	40.4	60.6
63	27.2	21.3	31.9



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





#6

Aniline

Concen: 0.704 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF118968.D

Acq: 20 Feb 2020 19:41

Instrument :

BNA_F

ClientSampleId :

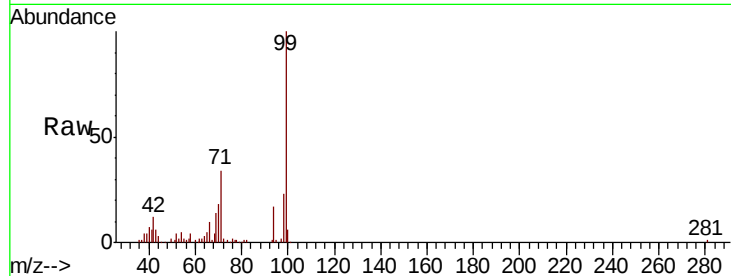
Tot Ion: 93 Resp: 157

Ion Ratio Lower Upper

93 100

66 1744.0 32.2 48.2#

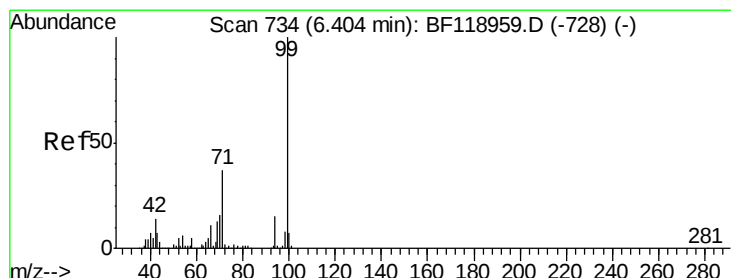
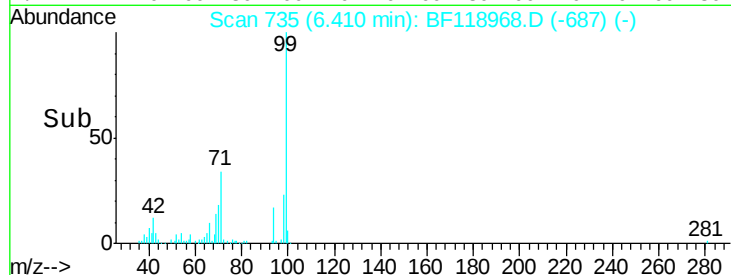
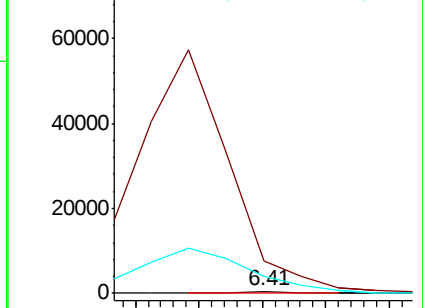
65 935.7 16.1 24.1#



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 6390.516 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF118968.D

Acq: 20 Feb 2020 19:41

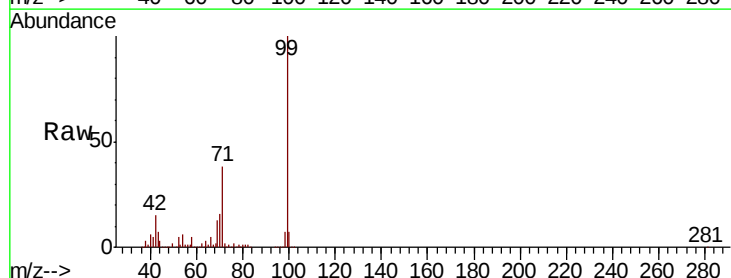
Tgt Ion: 99 Resp: 1155684

Ion Ratio Lower Upper

99 100

42 14.9 11.4 17.0

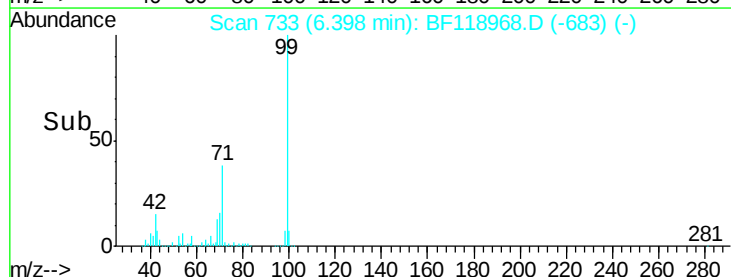
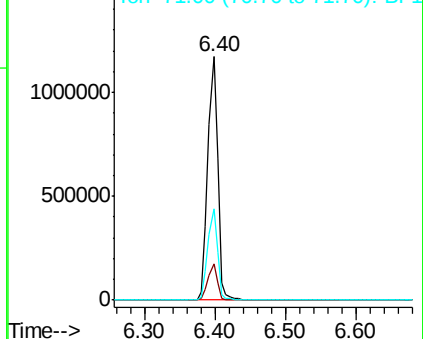
71 37.5 29.8 44.6

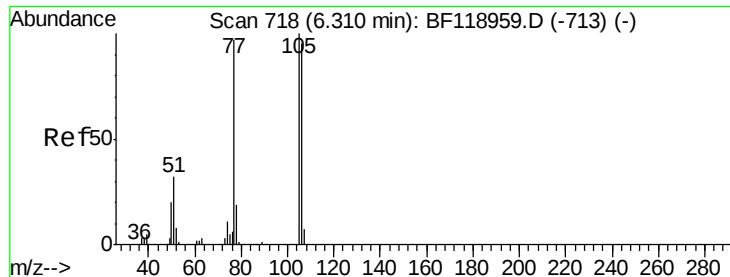


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 17.174 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.09 min

Lab File: BF118968.D

Acq: 20 Feb 2020 19:41

Instrument :

BNA_F

ClientSampleId :

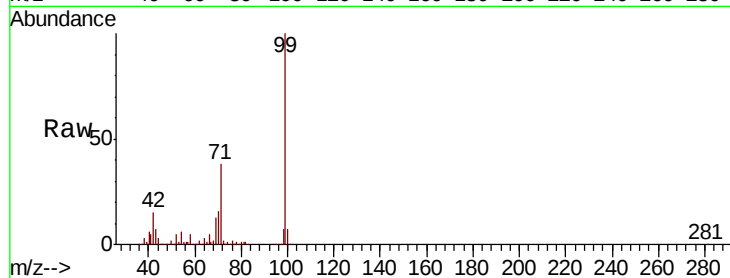
Tot Ion: 77 Resp: 2075

Ion Ratio Lower Upper

77 100

105 0.0 83.0 123.0#

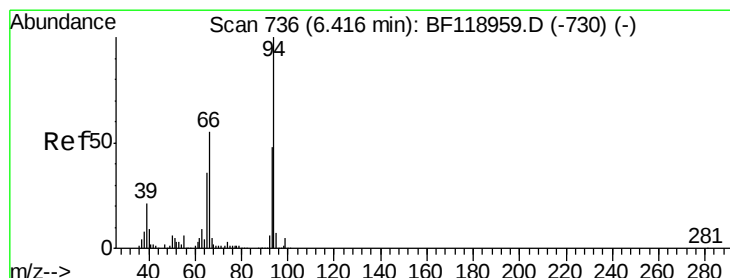
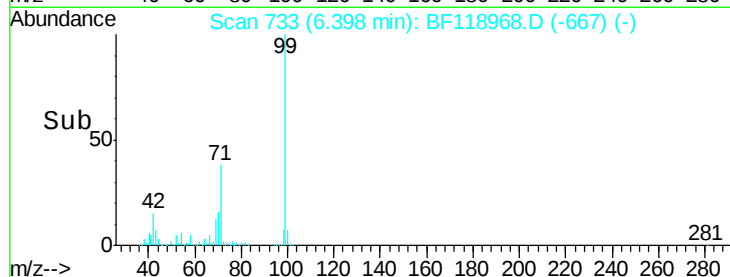
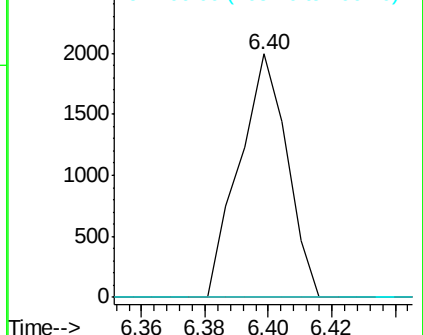
106 0.0 78.3 118.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 59.374 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF118968.D

Acq: 20 Feb 2020 19:41

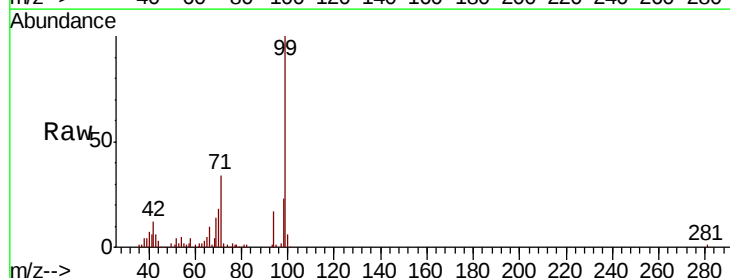
Tgt Ion: 94 Resp: 11609

Ion Ratio Lower Upper

94 100

65 30.5 15.5 55.5

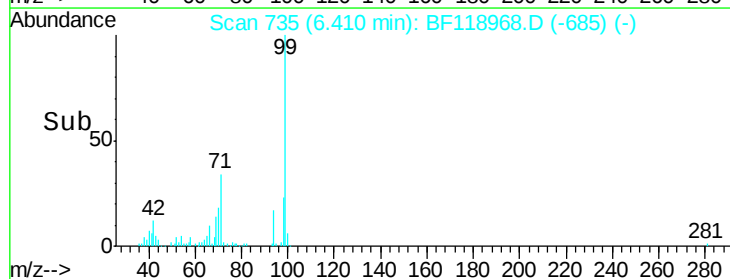
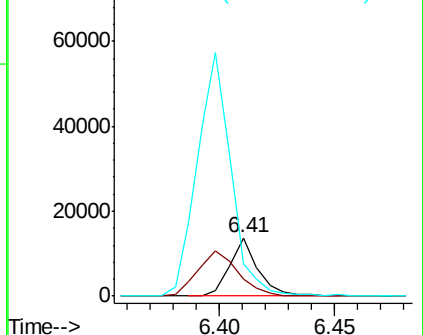
66 56.8 35.6 75.6

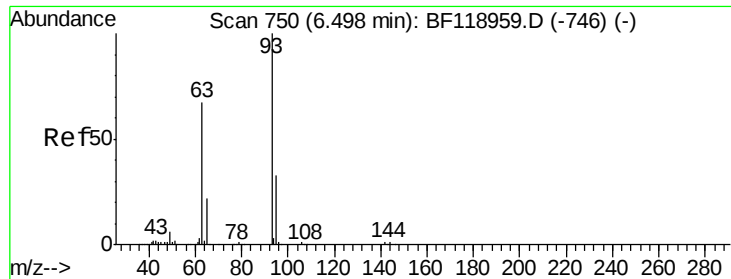


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

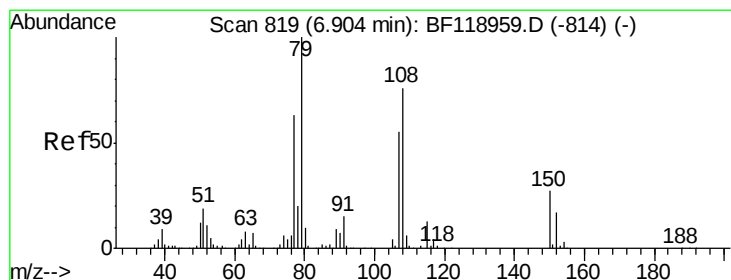
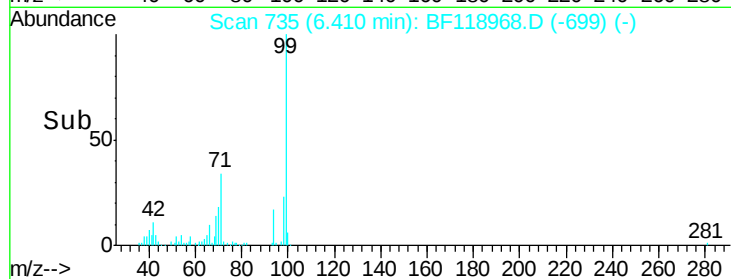
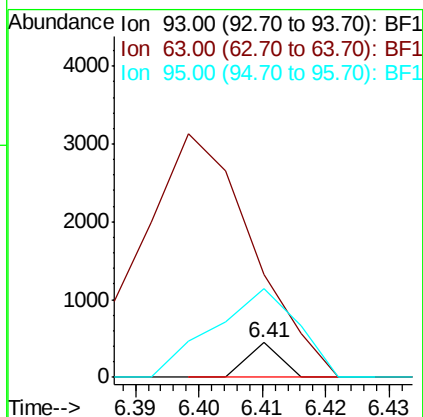
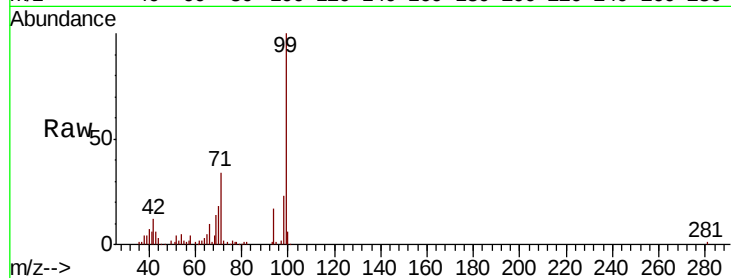




#11
bis(2-Chloroethyl)ether
Concen: 1.049 ng
RT: 6.41 min Scan# 735
Delta R.T. -0.09 min
Lab File: BF118968.D
Acq: 20 Feb 2020 19:41

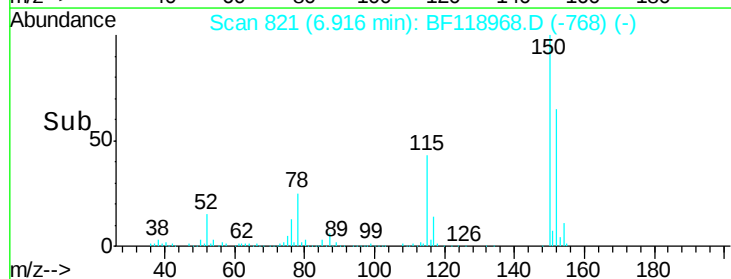
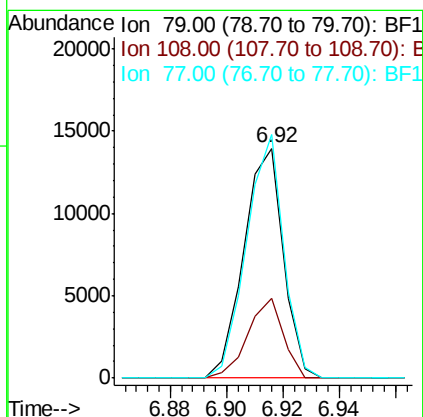
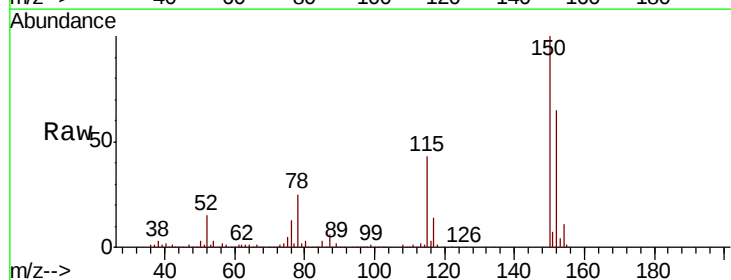
Instrument :
BNA_F
ClientSampleId :

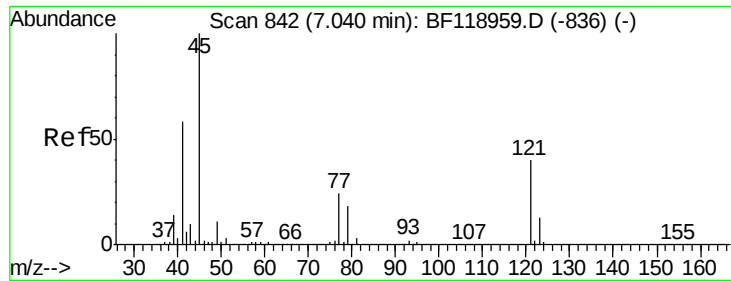
Tot Ion: 93 Resp: 157
Ion Ratio Lower Upper
93 100
63 296.4 46.8 86.8#
95 256.4 12.7 52.7#



#15
Benzyl Alcohol
Concen: 103.227 ng
RT: 6.92 min Scan# 821
Delta R.T. 0.01 min
Lab File: BF118968.D
Acq: 20 Feb 2020 19:41

Tgt Ion: 79 Resp: 13492
Ion Ratio Lower Upper
79 100
108 34.6 61.1 91.7#
77 106.1 50.2 75.2#

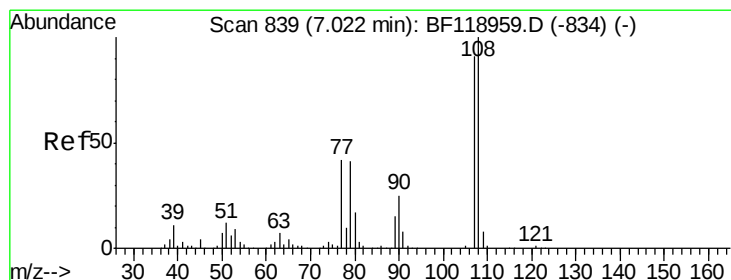
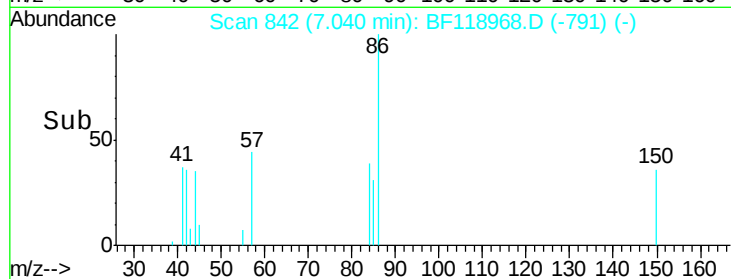
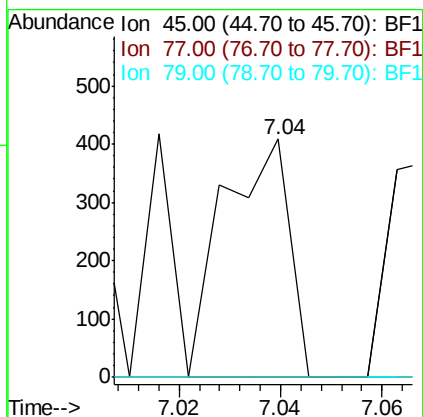
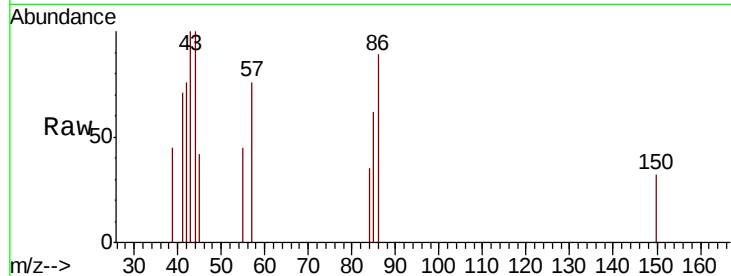




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 2.847 ng
RT: 7.04 min Scan# 842
Delta R.T. -0.00 min
Lab File: BF118968.D
Acq: 20 Feb 2020 19:41

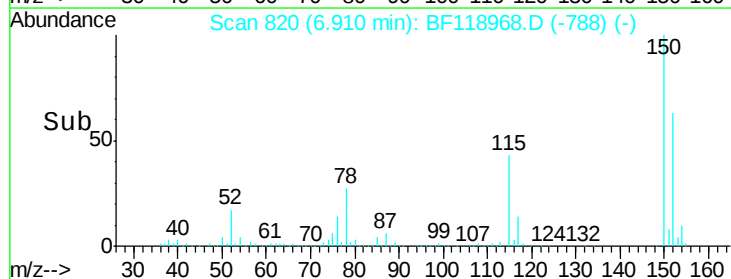
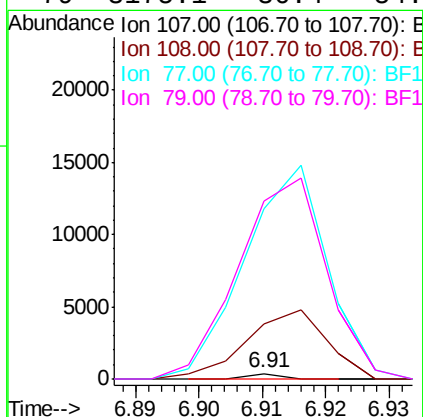
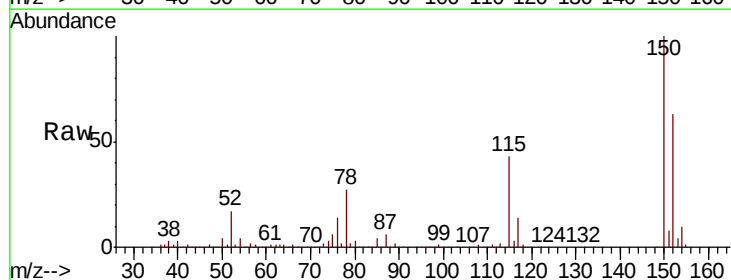
Instrument :
BNA_F
ClientSampleId :

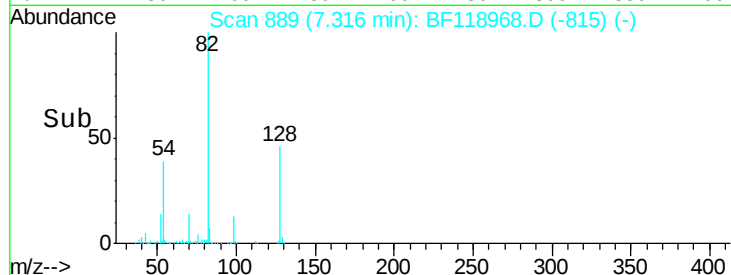
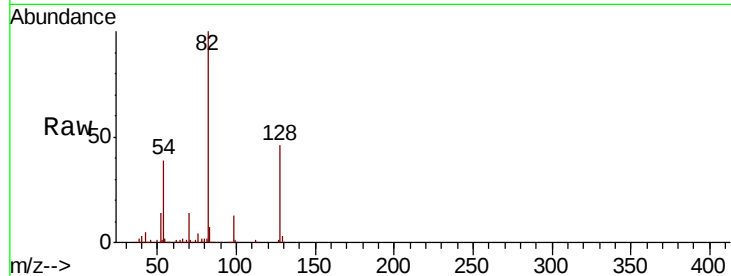
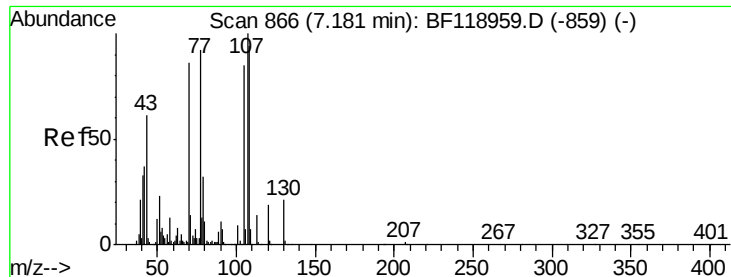
Tot Ion: 45 Resp: 369
Ion Ratio Lower Upper
45 100
77 0.0 6.1 46.1#
79 0.0 0.5 40.5#



#17
2-Methylphenol
Concen: 1.053 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.11 min
Lab File: BF118968.D
Acq: 20 Feb 2020 19:41

Tgt Ion:107 Resp: 137
Ion Ratio Lower Upper
107 100
108 975.1 87.7 131.5#
77 3030.8 36.8 55.2#
79 3175.1 36.4 54.6#

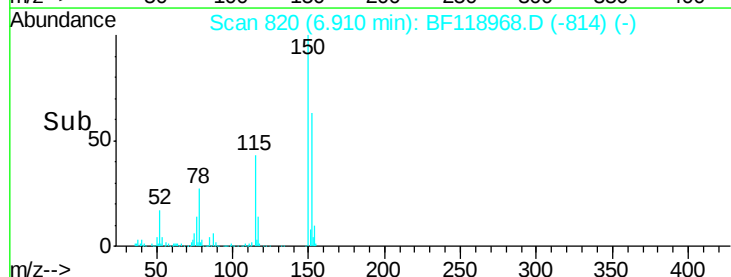
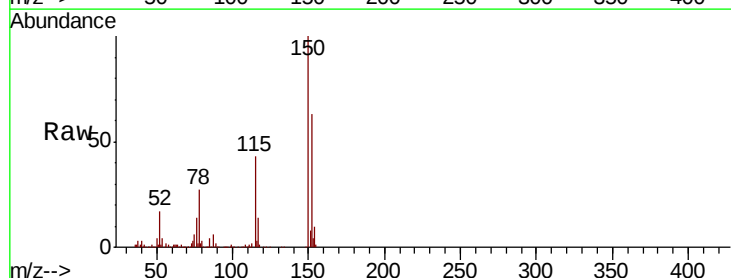
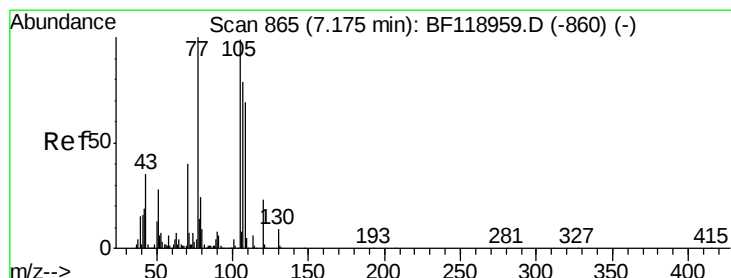
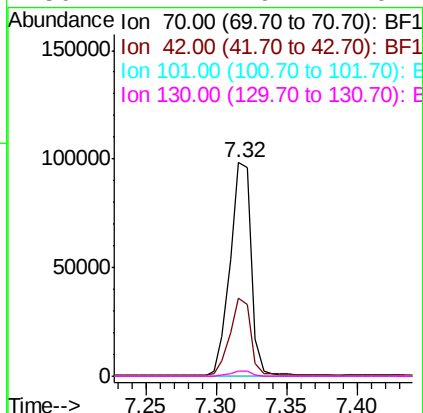




#19
n-Nitroso-di-n-propylamine
Concen: 981.689 ng
RT: 7.32 min Scan# 889
Delta R.T. 0.14 min
Lab File: BF118968.D
Acq: 20 Feb 2020 19:41

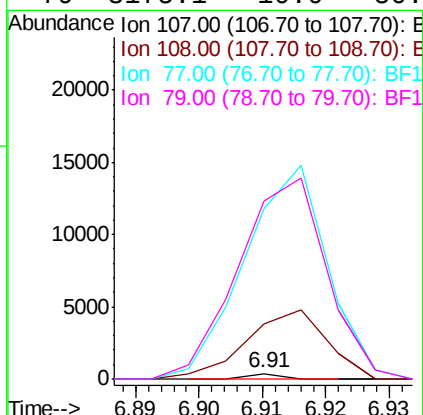
Instrument :
BNA_F
ClientSampled :

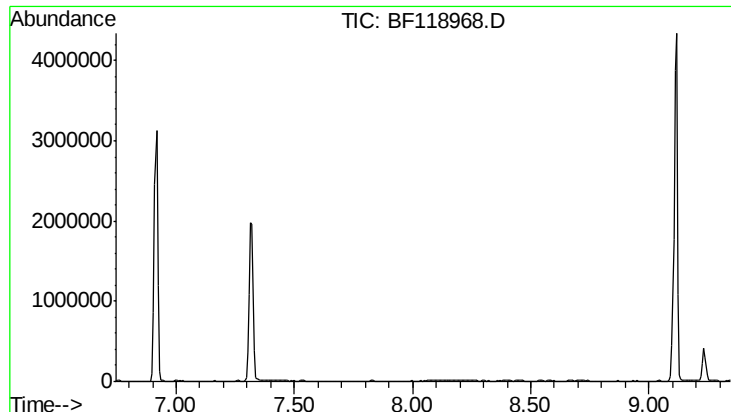
Tot Ion	Ratio	Lower	Upper
70	100		
42	36.7	34.6	51.8
101	0.0	8.1	12.1#
130	2.7	19.4	29.2#



#20
3+4-Methylphenols
Concen: 0.859 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.26 min
Lab File: BF118968.D
Acq: 20 Feb 2020 19:41

Tgt Ion	Ratio	Lower	Upper
107	100		
108	975.1	67.0	107.0#
77	3030.8	106.2	146.2#
79	3175.1	10.0	50.0#

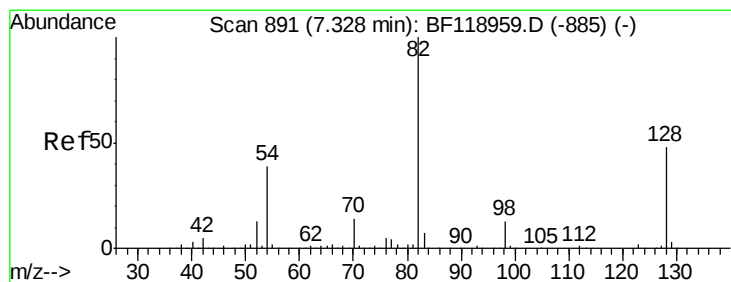
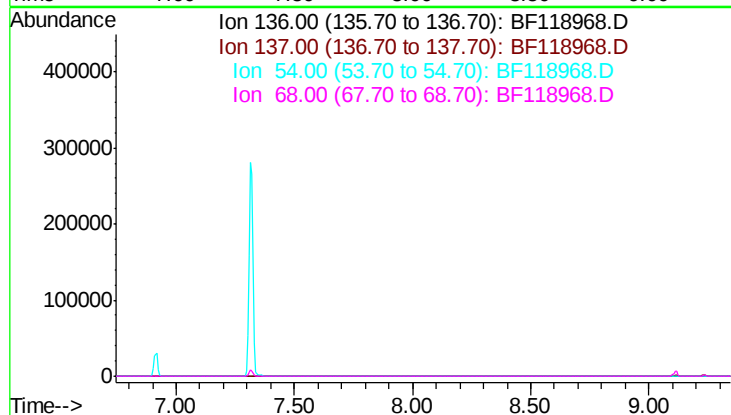




#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 8.05 min
Lab File: BF118968.D
Acq: 20 Feb 2020 19:41

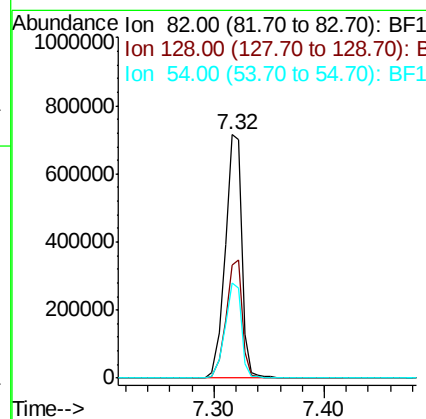
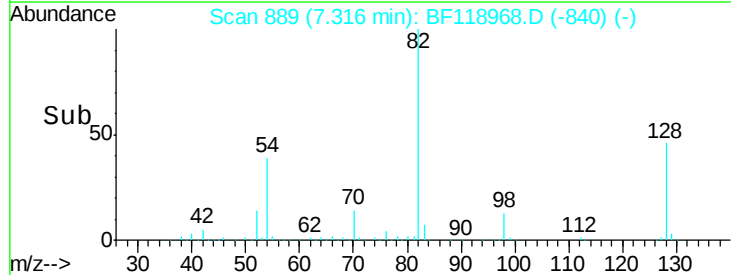
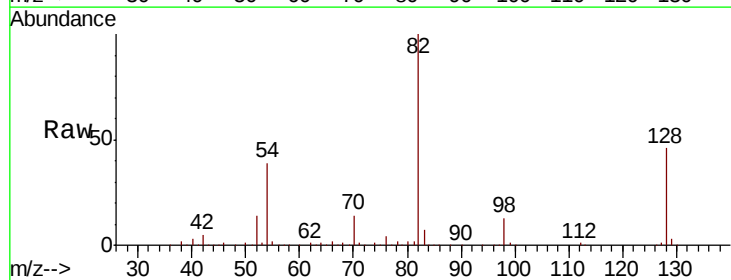
Instrument :
BNA_F
ClientSampleId :

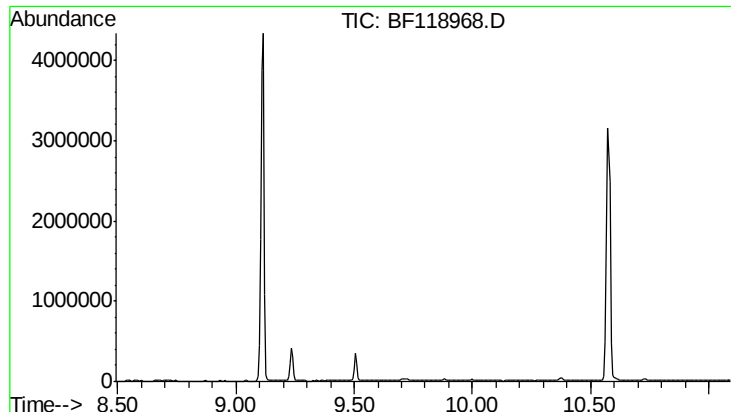
Tot Ion: 136
Sig Exp Ratio
136 100
137 11.1
54 4.7
68 5.2



#23
Nitrobenzene-d5
Concen: 0.000 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF118968.D
Acq: 20 Feb 2020 19:41

Tgt Ion: 82 Resp: 754250
Ion Ratio Lower Upper
82 100
128 46.3 38.2 57.2
54 39.2 31.3 46.9





#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 9.79 min

Lab File: BF118968.D

Acq: 20 Feb 2020 19:41

Tot Ion: 164

Sig Exp Ratio

164 100

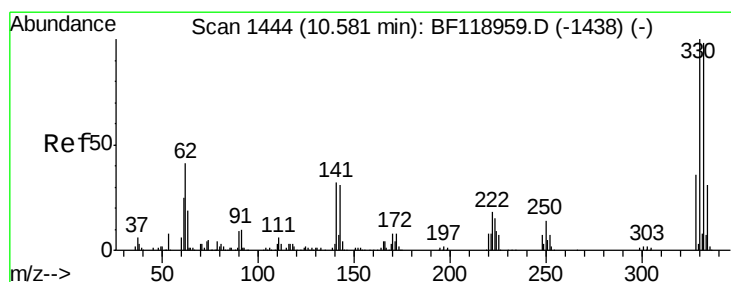
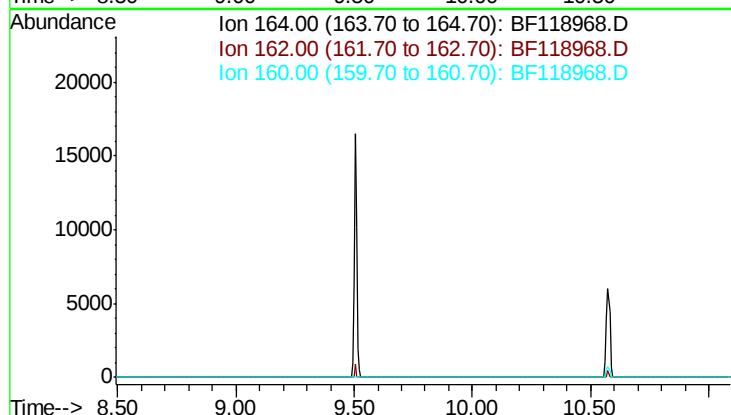
162 101.5

160 44.0

Instrument :

BNA_F

ClientSampleId :



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BF118968.D

Acq: 20 Feb 2020 19:41

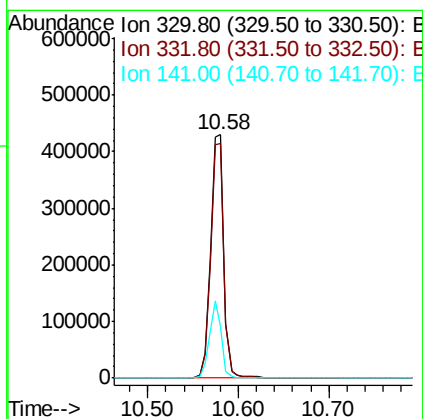
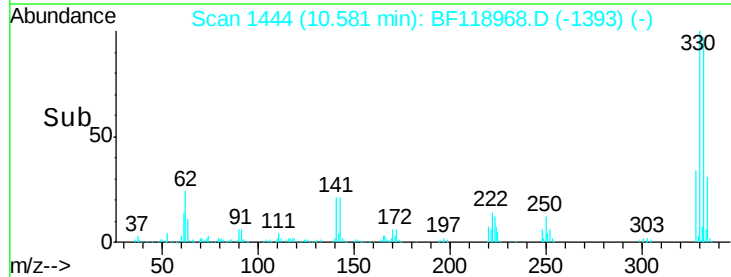
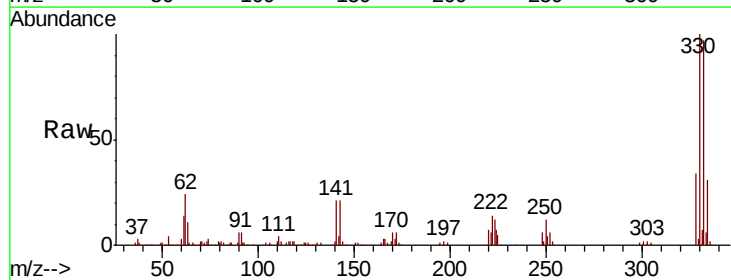
Tgt Ion: 330 Resp: 441759

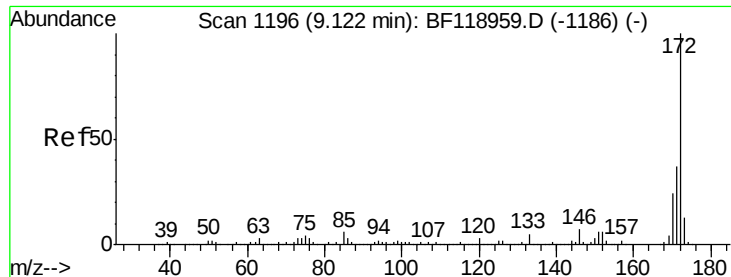
Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

141 28.7 23.0 34.6

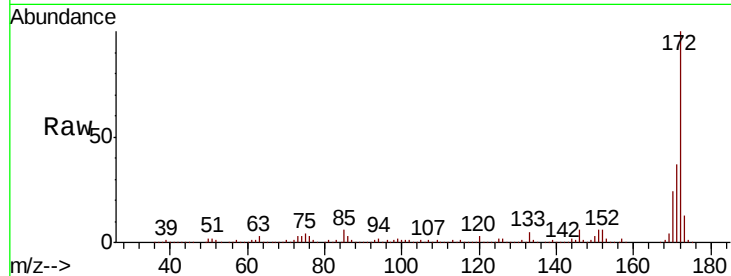




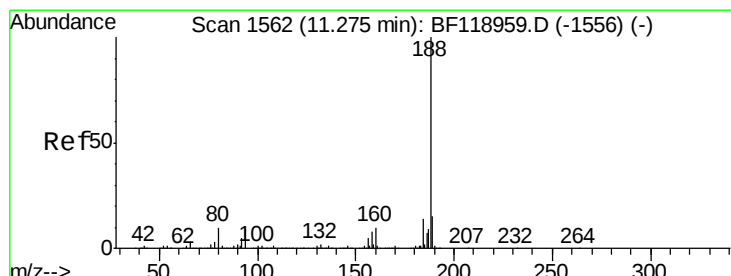
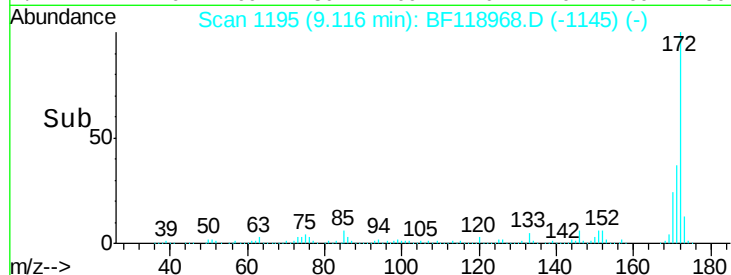
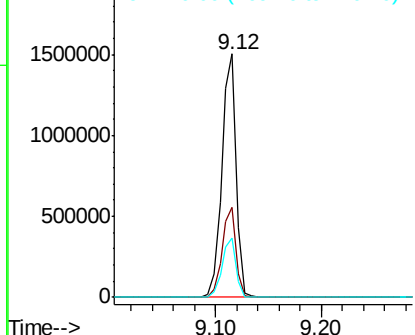
#45
2-Fluorobiphenyl
Concen: 0.000 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BF118968.D
Acq: 20 Feb 2020 19:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1427806
Ion Ratio Lower Upper
172 100
171 36.8 29.4 44.2
170 24.4 19.6 29.4

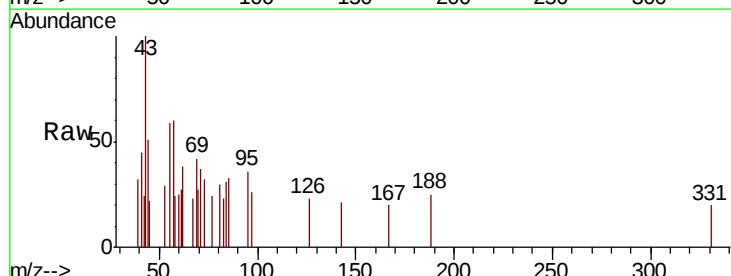


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

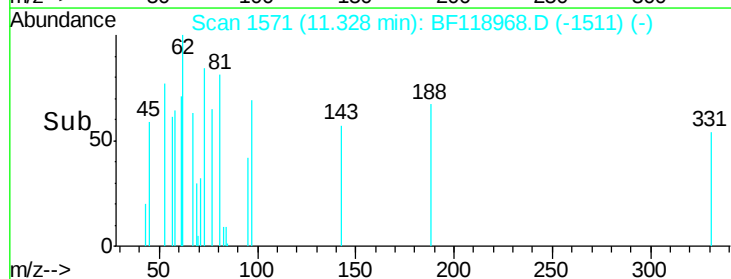
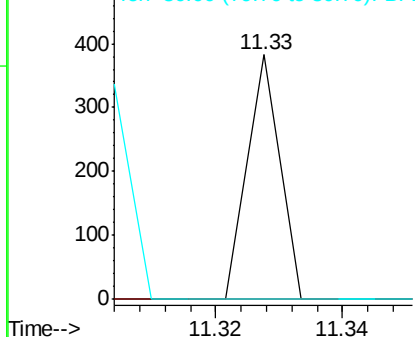


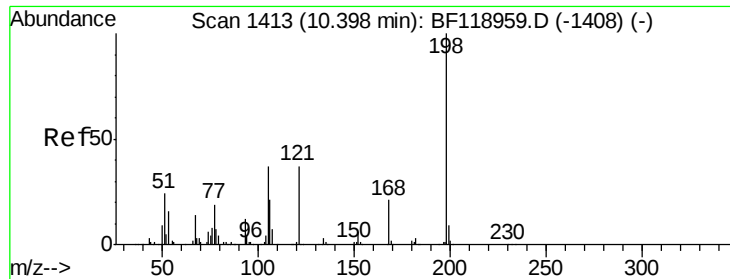
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.05 min
Lab File: BF118968.D
Acq: 20 Feb 2020 19:41

Tgt Ion:188 Resp: 135
Ion Ratio Lower Upper
188 100
94 0.0 7.0 10.6#
80 0.0 7.9 11.9#



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: 1138.446 ng

RT: 10.57 min Scan# 1443

Delta R.T. 0.18 min

Lab File: BF118968.D

Acq: 20 Feb 2020 19:41

Instrument :

BNA_F

ClientSampleId :

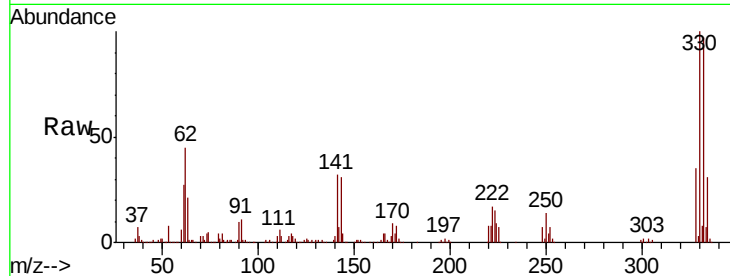
Tot Ion:198 Resp: 930

Ion Ratio Lower Upper

198 100

51 115.5 7.1 47.1#

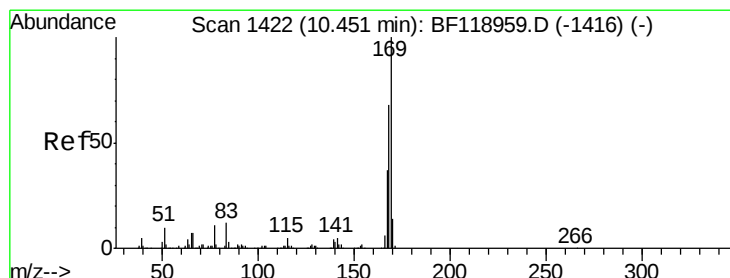
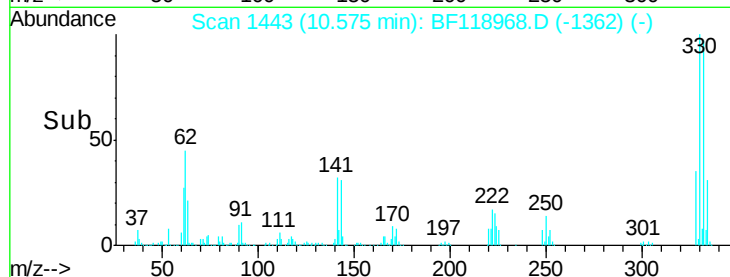
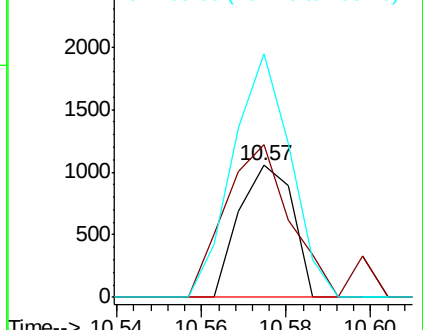
105 184.8 18.3 58.3#



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



#66

n-Nitrosodiphenylamine

Concen: 2622.616 ng

RT: 10.57 min Scan# 1443

Delta R.T. 0.12 min

Lab File: BF118968.D

Acq: 20 Feb 2020 19:41

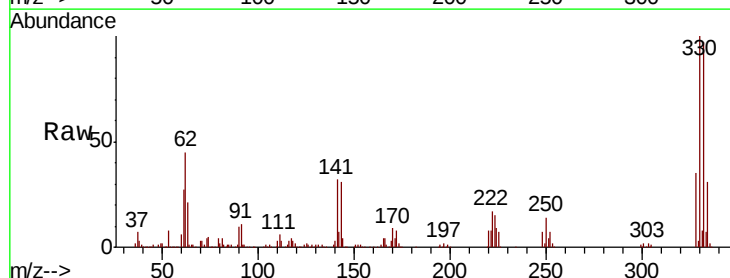
Tgt Ion:169 Resp: 11593

Ion Ratio Lower Upper

169 100

168 8.2 54.2 81.2#

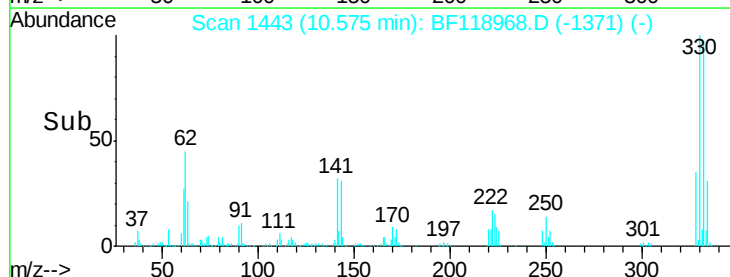
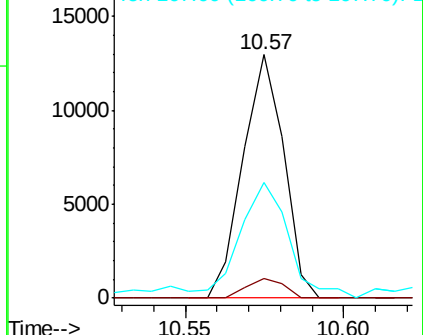
167 55.4 29.4 44.2#

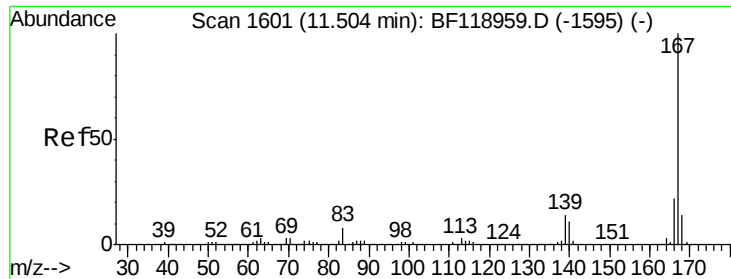


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#73

Carbazole

Concen: 275.125 ng

RT: 11.51 min Scan# 1602

Delta R.T. 0.01 min

Lab File: BF118968.D

Acq: 20 Feb 2020 19:41

Instrument :

BNA_F

ClientSampleId :

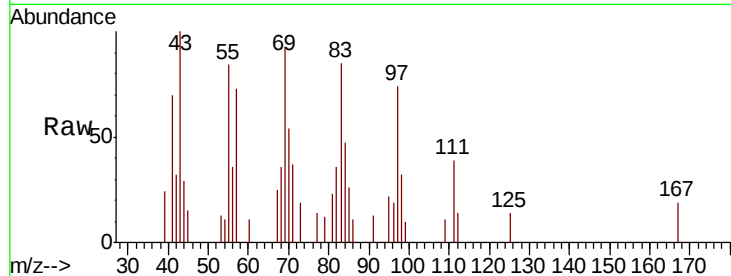
Tot Ion:167 Resp: 1803

Ion Ratio Lower Upper

167 100

166 0.0 17.8 26.6#

139 0.0 11.2 16.8#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

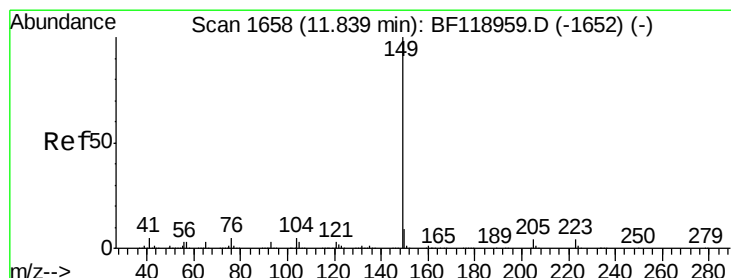
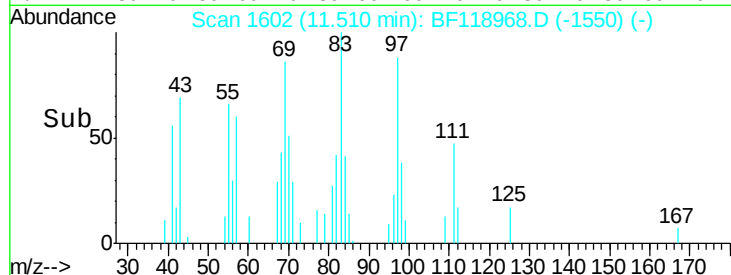
11.51

400

200

0

Time-->



#74

Di-n-butylphthalate

Concen: 29.107 ng

RT: 11.94 min Scan# 1675

Delta R.T. 0.10 min

Lab File: BF118968.D

Acq: 20 Feb 2020 19:41

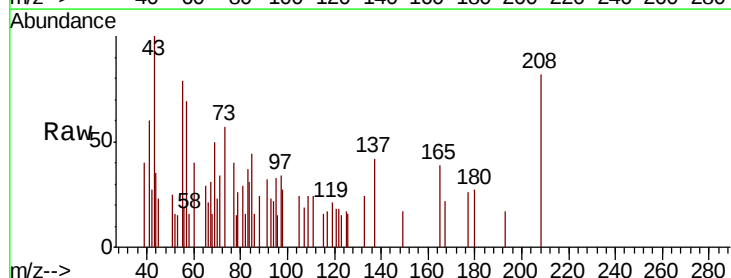
Tgt Ion:149 Resp: 231

Ion Ratio Lower Upper

149 100

150 0.0 7.5 11.3#

104 0.0 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

11.94

400

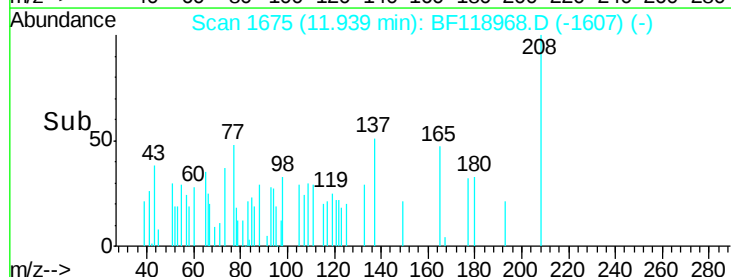
300

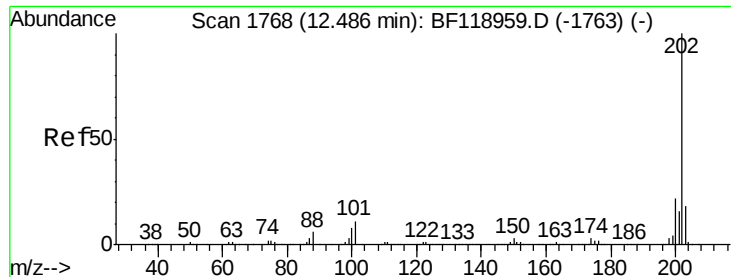
200

100

0

Time-->

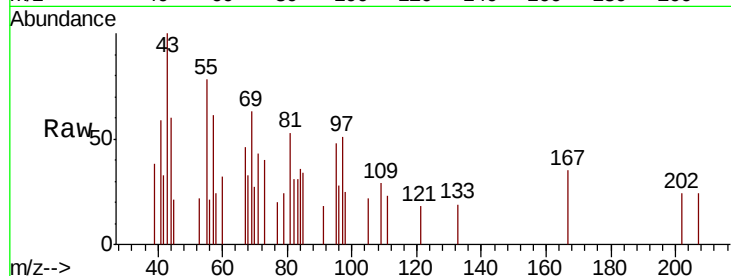




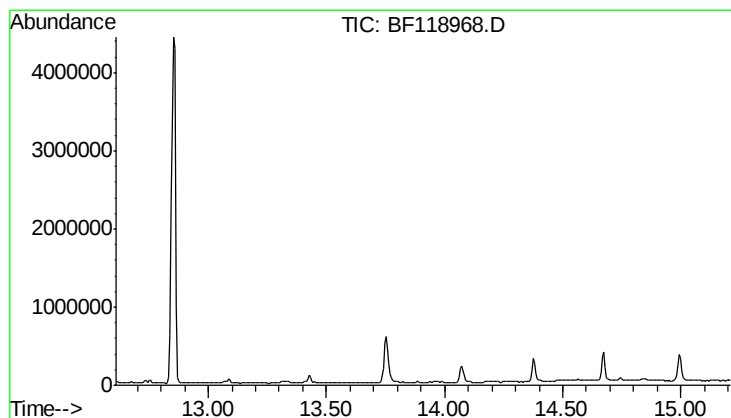
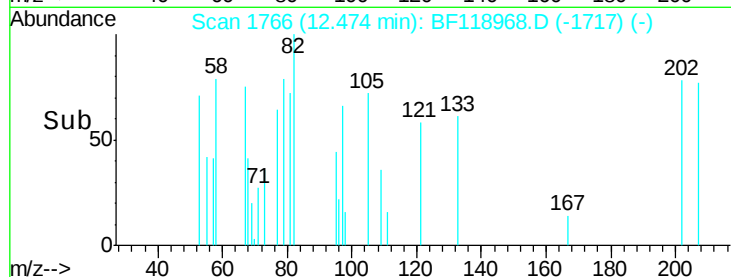
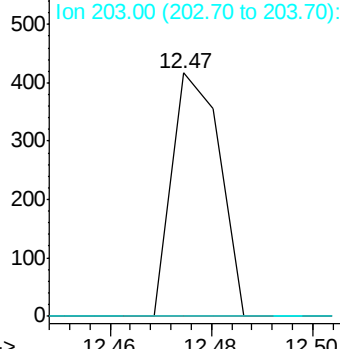
#75
 Fluoranthene
 Concen: 34.934 ng
 RT: 12.47 min Scan# 1766
 Delta R.T. -0.01 min
 Lab File: BF118968.D
 Acq: 20 Feb 2020 19:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
202	100			
101	0.0	0.0	31.1	
203	0.0	0.0	38.1	

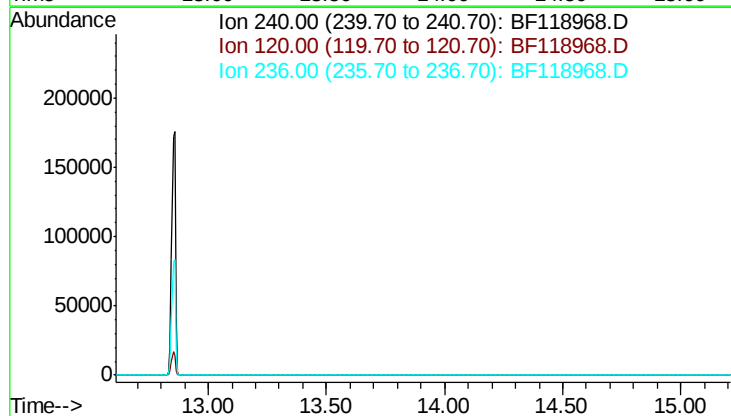


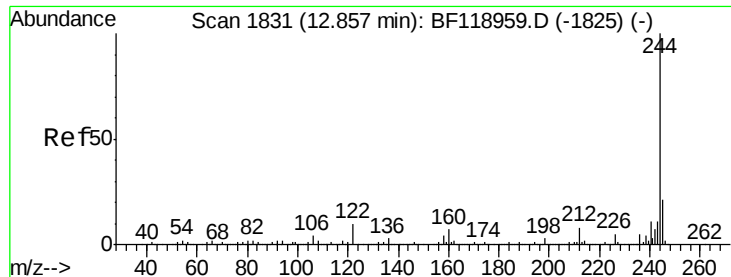
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E



#76
 Chrysene-d12
 Concen: 0.000 ng
 Expected RT: 13.91 min
 Lab File: BF118968.D
 Acq: 20 Feb 2020 19:41

Tgt Ion	Sig	Exp Ratio
240	100	
120	11.1	
236	25.7	





#79

Terphenyl-d14

Concen: 0.000 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF118968.D

Acq: 20 Feb 2020 19:41

Instrument :

BNA_F

ClientSampleId :

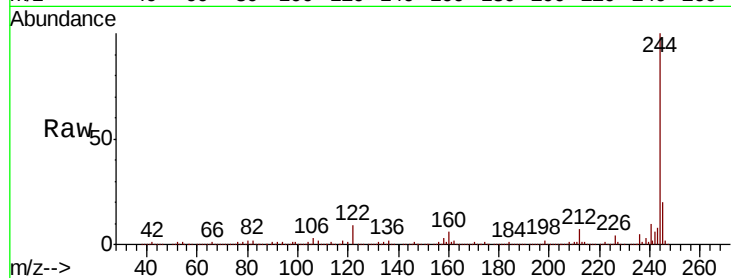
Tot Ion:244 Resp: 1754686

Ion Ratio Lower Upper

244 100

212 7.0 6.3 9.5

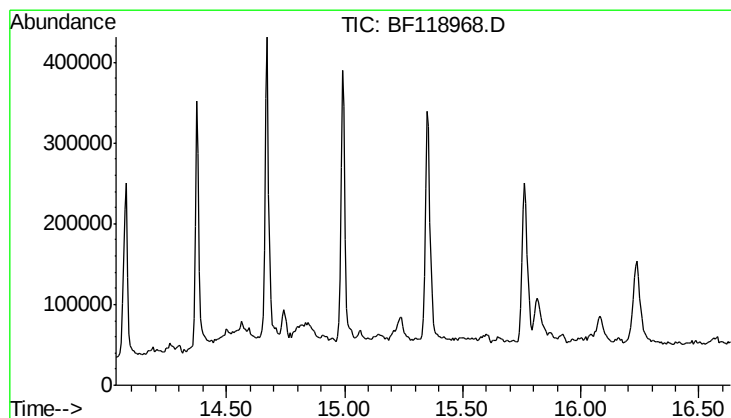
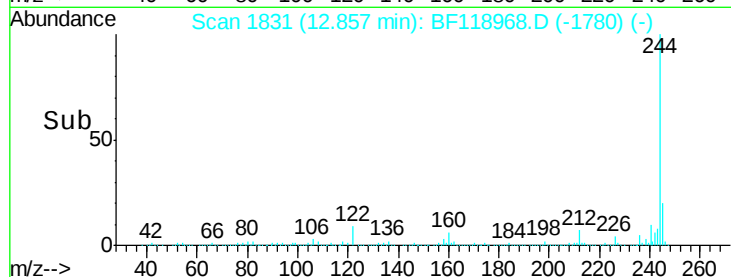
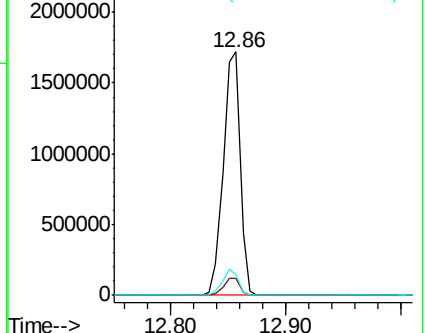
122 8.6 8.4 12.6



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: 0.000 ng

Expected RT: 15.33 min

Lab File: BF118968.D

Acq: 20 Feb 2020 19:41

Tgt Ion: 264

Sig Exp Ratio

264 100

260 23.3

265 21.6

