

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
 Data File : BF118757.D
 Acq On : 30 Jan 2020 17:58
 Operator : CG/JU
 Sample : L1313-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 30 22:08:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 27 14:24:10 2020
 Response via : Initial Calibration

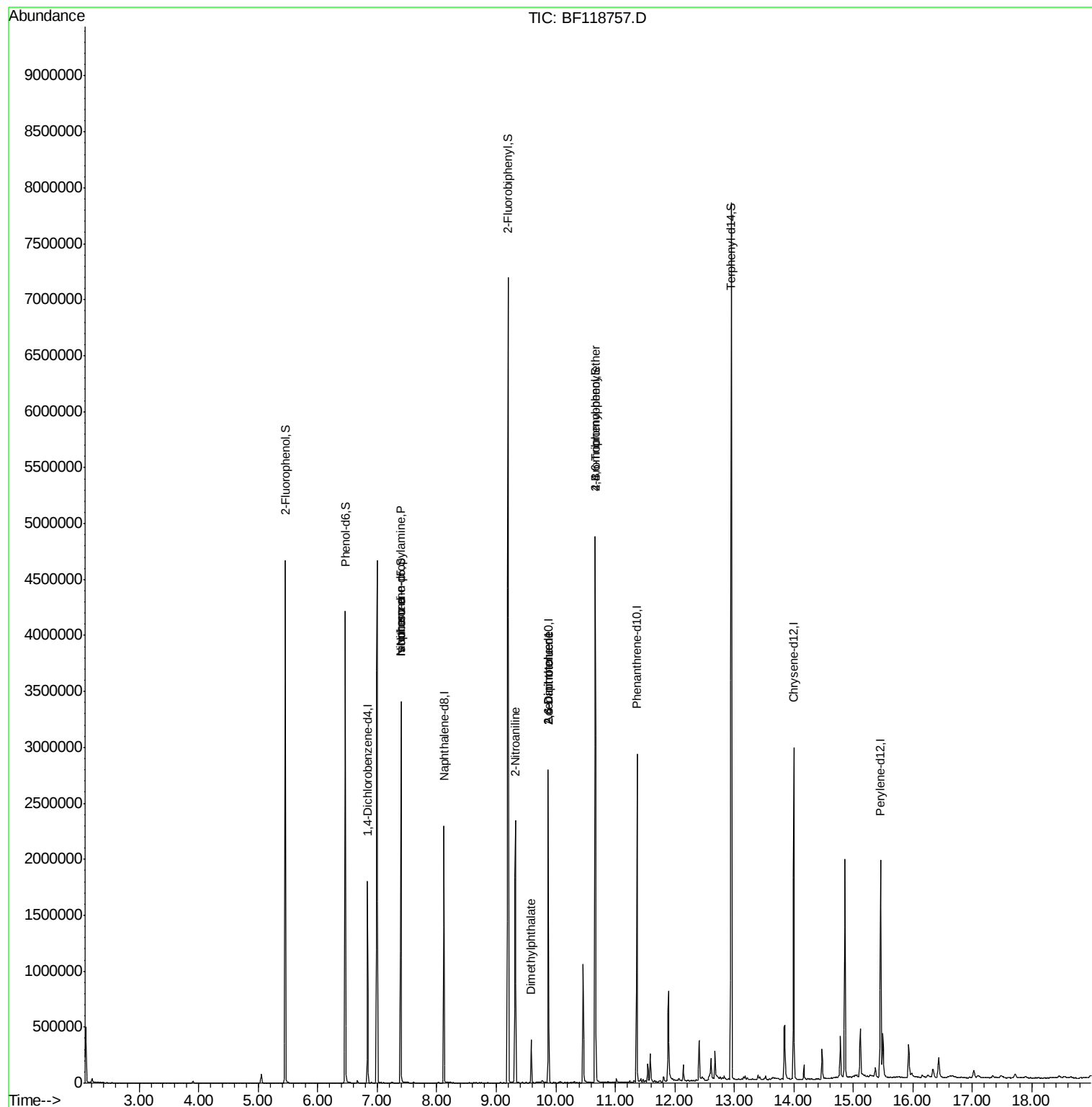
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	254509	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	977398	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	565518	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	1110229	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	948250	20.00	ng	-0.02
87) Perylene-d12	15.46	264	929742	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1336904	97.56	ng	-0.02
7) Phenol-d6	6.46	99	1682434	94.46	ng	-0.03
23) Nitrobenzene-d5	7.40	82	1070026	61.23	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	655167	100.16	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	2172261	63.13	ng	-0.02
79) Terphenyl-d14	12.95	244	2952177	67.90	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	145391	12.089	ng	# 76
25) Isophorone	7.40	82	1070004	33.572	ng	# 63
48) 2-Nitroaniline	9.32	65	22082	2.187	ng	# 8
50) Dimethylphthalate	9.59	163	149519	4.058	ng	# 99
51) 2,6-Dinitrotoluene	9.87	165	73331	8.888	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	73331	7.050	ng	# 30
67) 4-Bromophenyl-phenylether	10.66	248	41000	2.989	ng	# 1

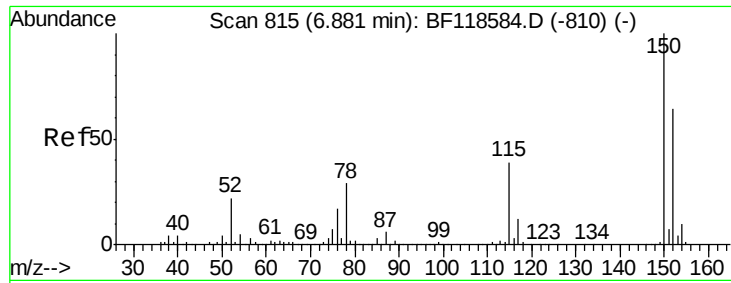
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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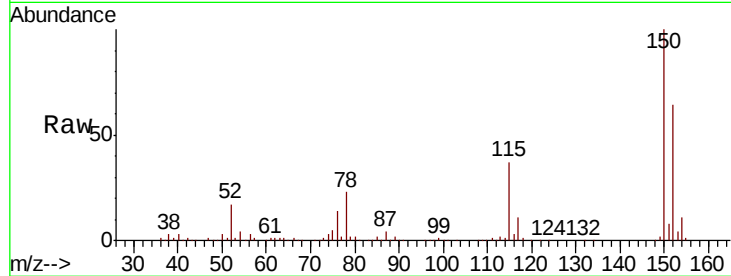


#1

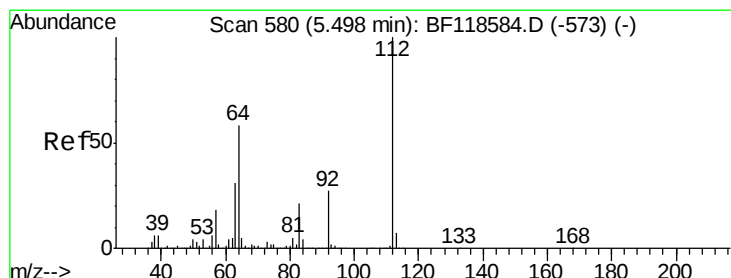
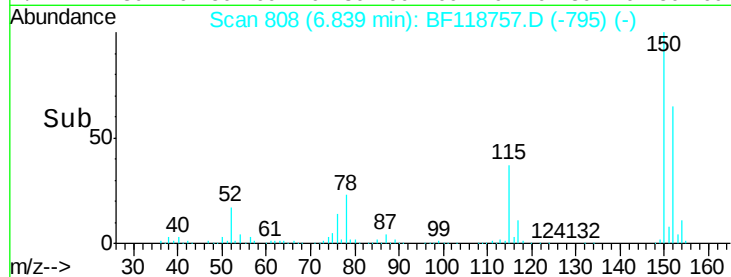
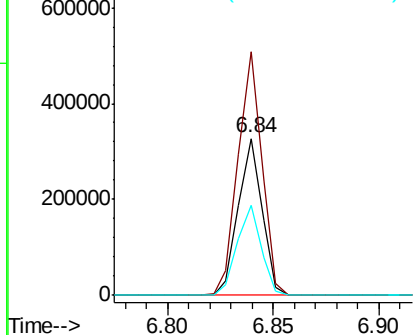
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.02 min
Lab File: BF118757.D
Acq: 30 Jan 2020 17:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 254509
Ion Ratio Lower Upper
152 100
150 155.2 123.7 185.5
115 57.6 45.1 67.7



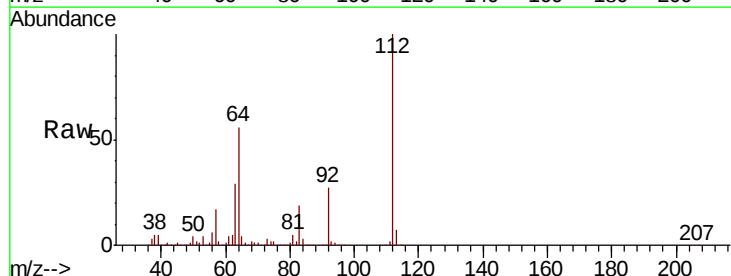
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



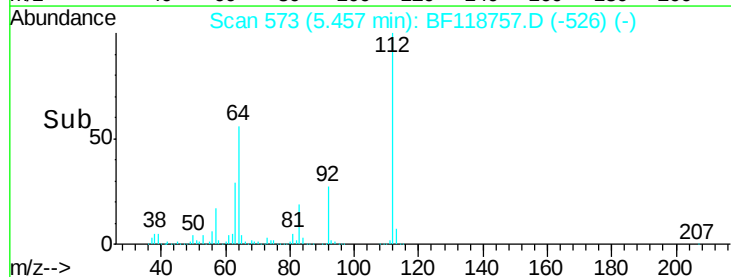
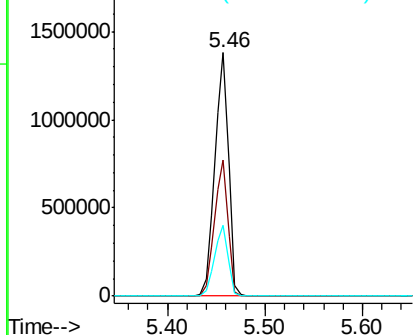
#5

2-Fluorophenol
Concen: 97.559 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF118757.D
Acq: 30 Jan 2020 17:58

Tgt Ion:112 Resp: 1336904
Ion Ratio Lower Upper
112 100
64 55.9 42.4 63.6
63 29.1 21.7 32.5



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: 94.460 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.03 min

Lab File: BF118757.D

Acq: 30 Jan 2020 17:58

Instrument :

BNA_F

ClientSampleId :

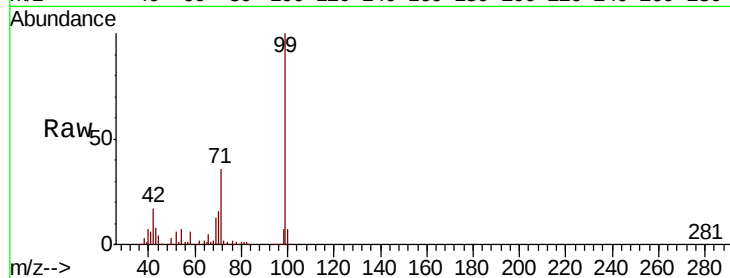
Tot Ion: 99 Resp: 1682434

Ion Ratio Lower Upper

99 100

42 16.8 13.1 19.7

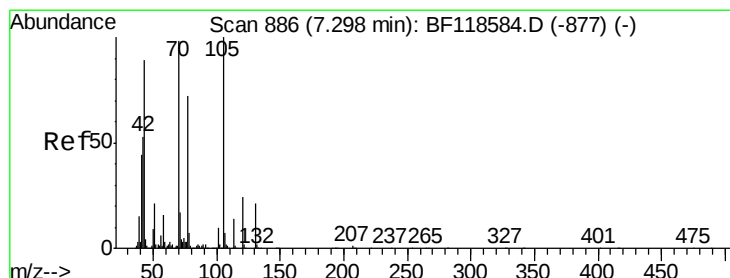
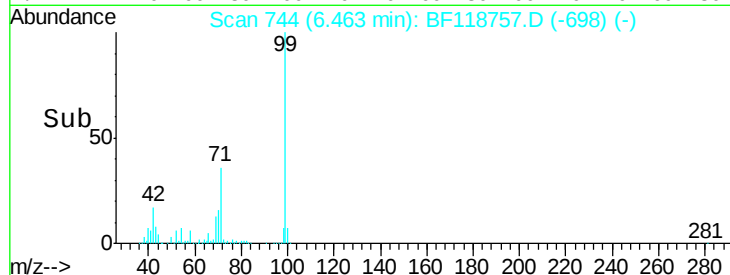
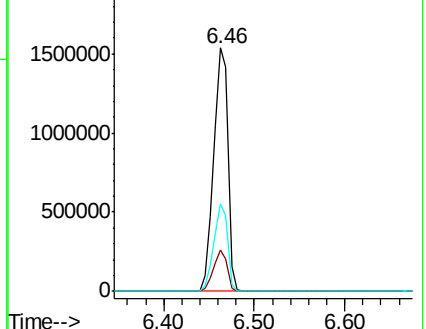
71 36.0 28.4 42.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.089 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.12 min

Lab File: BF118757.D

Acq: 30 Jan 2020 17:58

Tgt Ion: 70 Resp: 145391

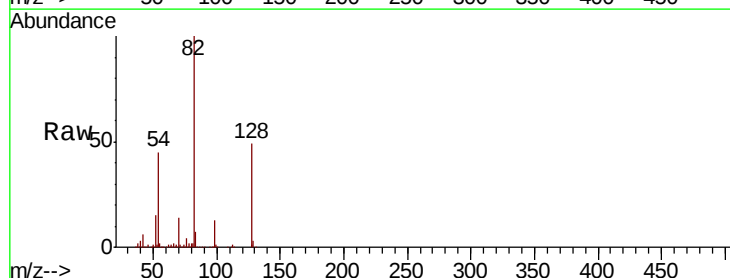
Ion Ratio Lower Upper

70 100

42 42.1 41.6 62.4

101 0.0 7.9 11.9#

130 2.1 19.0 28.6#

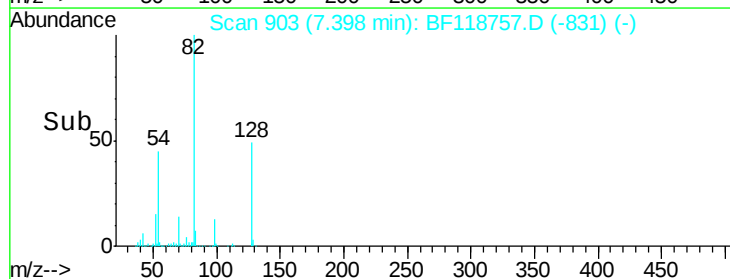
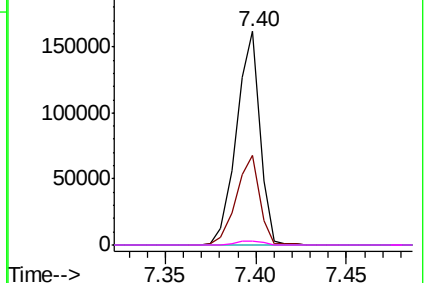


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BF118757.D

Acq: 30 Jan 2020 17:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 977398

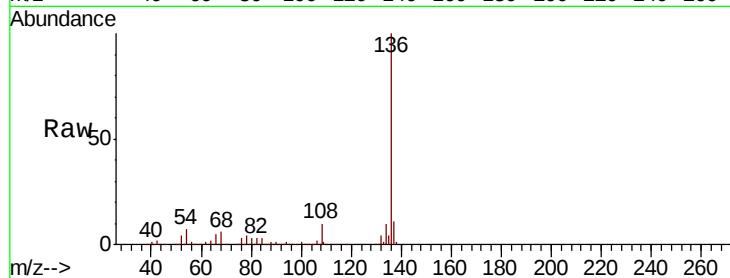
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 6.6 5.1 7.7

68 6.1 4.3 6.5

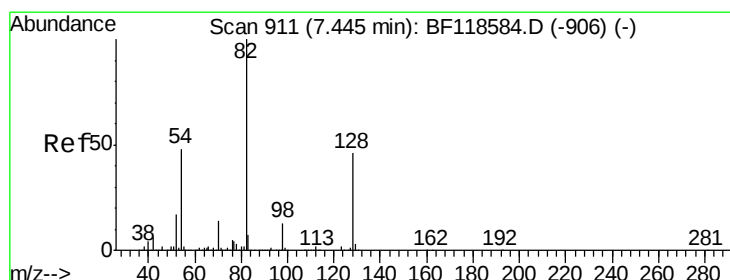
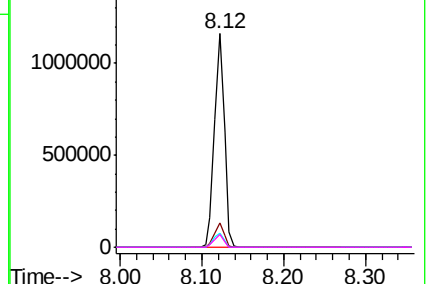
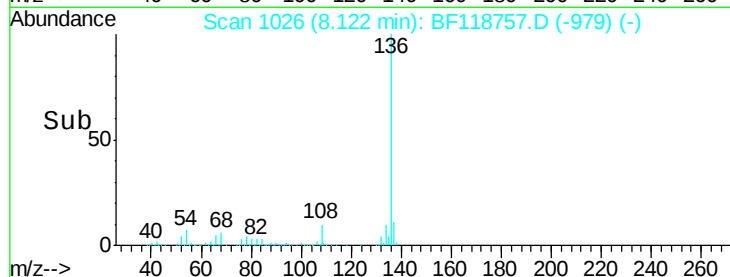


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 61.235 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF118757.D

Acq: 30 Jan 2020 17:58

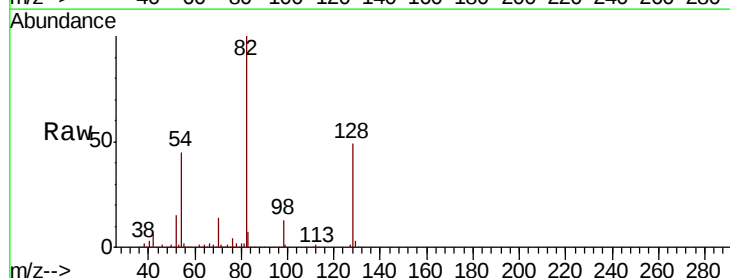
Tgt Ion: 82 Resp: 1070026

Ion Ratio Lower Upper

82 100

128 48.7 38.2 57.2

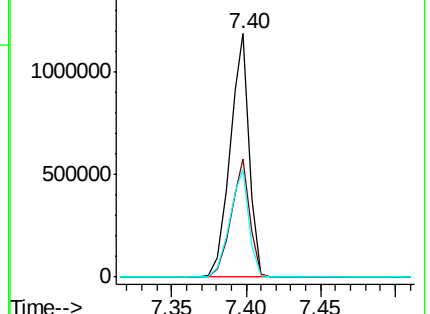
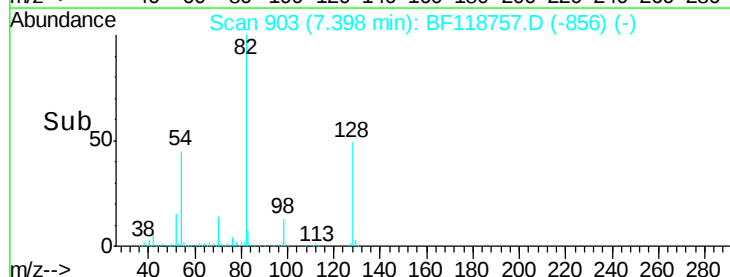
54 44.5 36.1 54.1



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.572 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF118757.D

Acq: 30 Jan 2020 17:58

Instrument :

BNA_F

ClientSampleId :

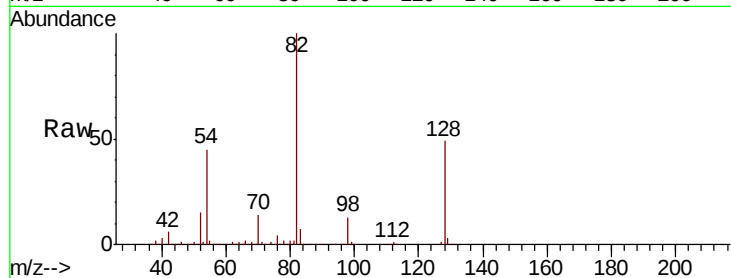
Tot Ion: 82 Resp: 1070004

Ion Ratio Lower Upper

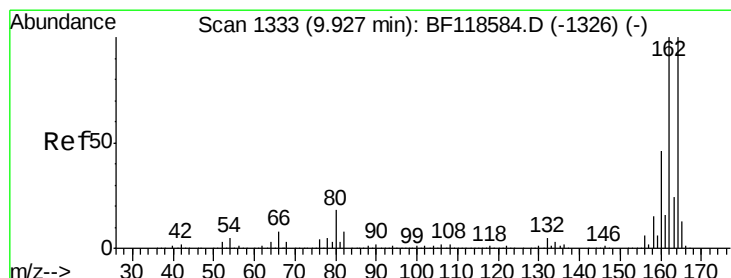
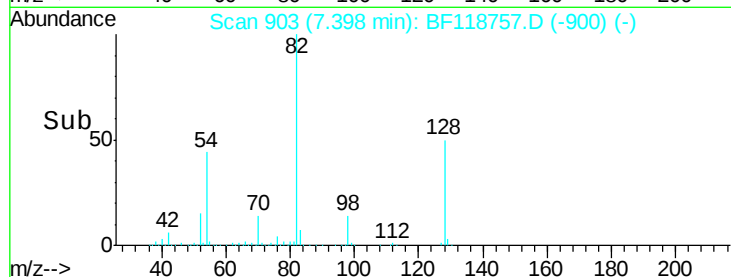
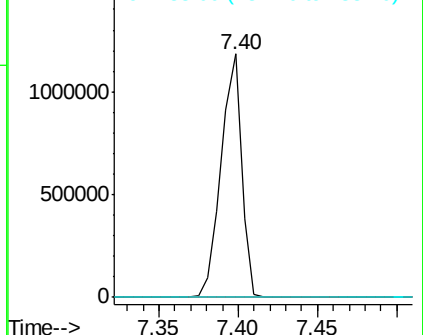
82 100

95 0.0 5.8 8.8#

138 0.0 15.8 23.8#



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: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF118757.D

Acq: 30 Jan 2020 17:58

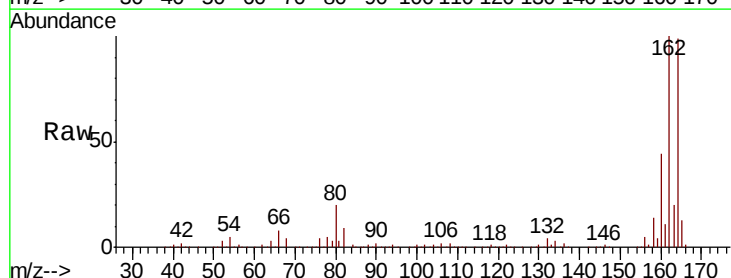
Tgt Ion: 164 Resp: 565518

Ion Ratio Lower Upper

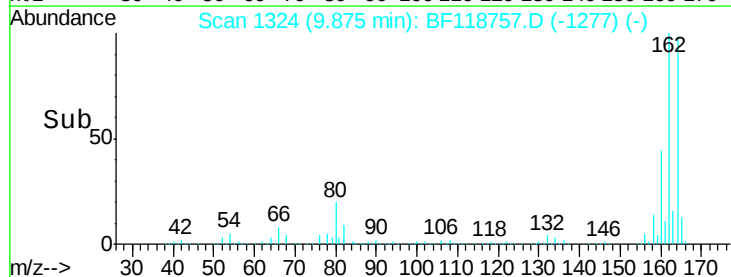
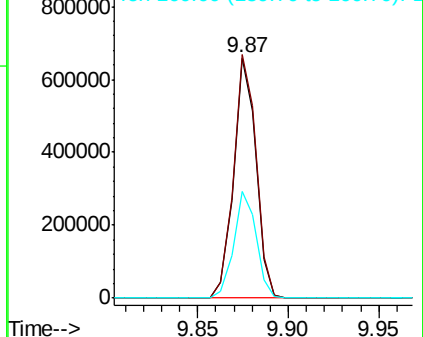
164 100

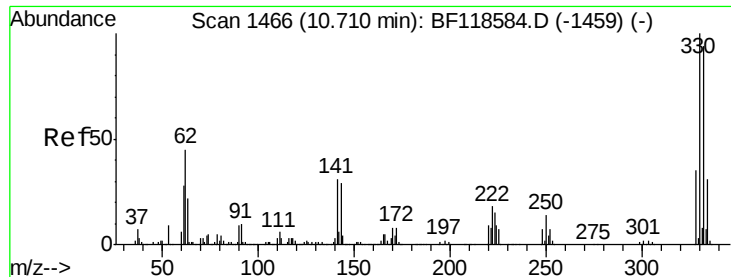
162 101.3 80.8 121.2

160 44.5 35.4 53.0



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: 100.164 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF118757.D

Acq: 30 Jan 2020 17:58

Instrument :

BNA_F

ClientSampleId :

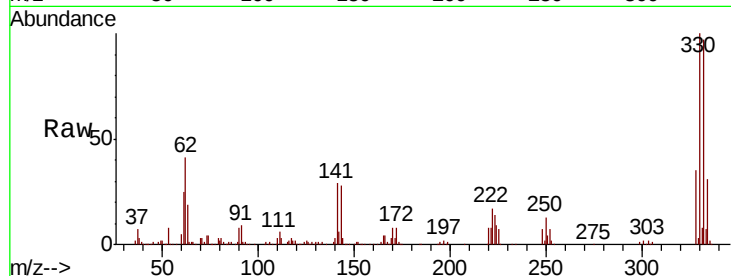
Tot Ion:330 Resp: 655167

Ion Ratio Lower Upper

330 100

332 96.8 77.6 116.4

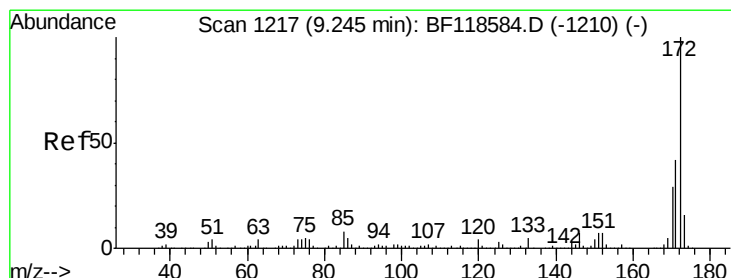
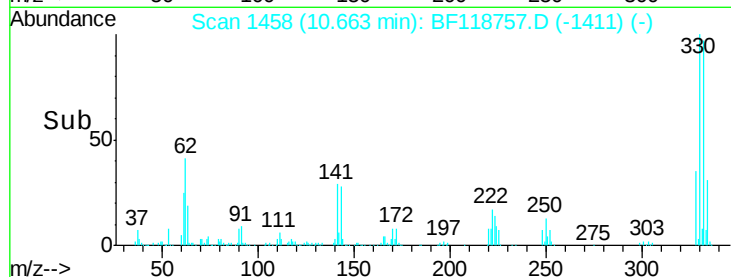
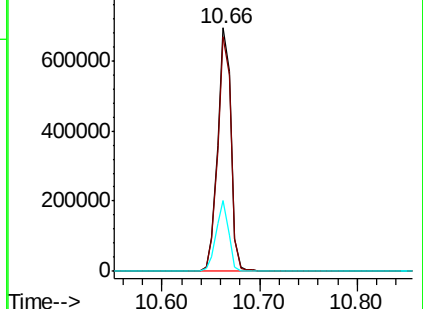
141 27.4 22.2 33.2



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: 63.134 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.02 min

Lab File: BF118757.D

Acq: 30 Jan 2020 17:58

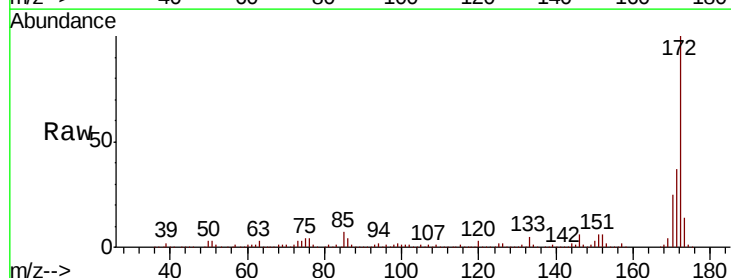
Tgt Ion:172 Resp: 2172261

Ion Ratio Lower Upper

172 100

171 37.4 31.0 46.4

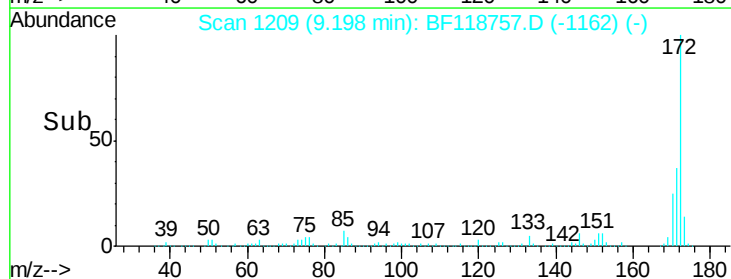
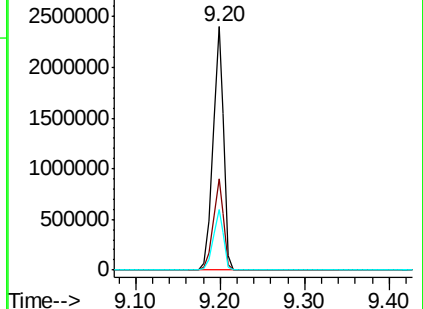
170 24.8 20.7 31.1

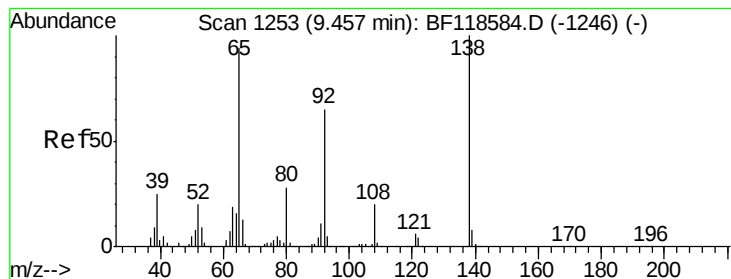


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 2.187 ng

RT: 9.32 min Scan# 1230

Delta R.T. -0.11 min

Lab File: BF118757.D

Acq: 30 Jan 2020 17:58

Instrument :

BNA_F

ClientSampleId :

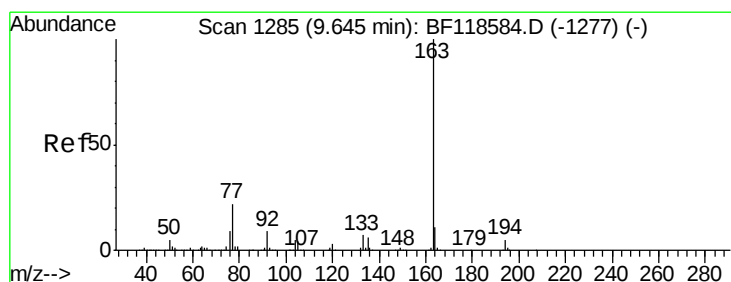
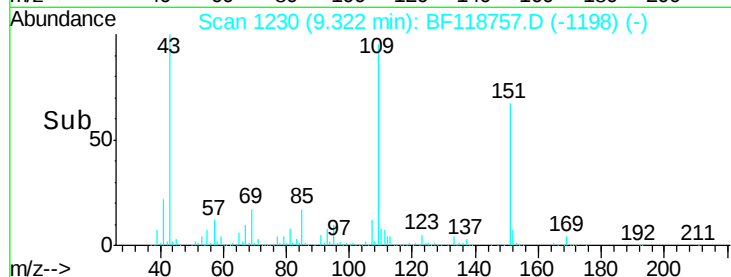
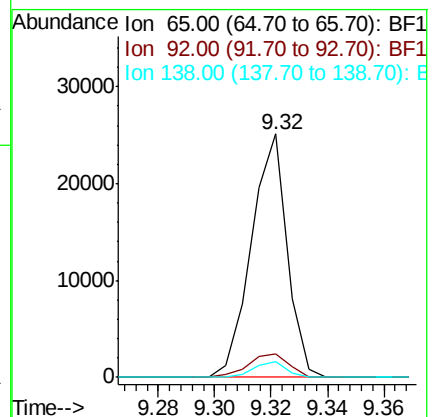
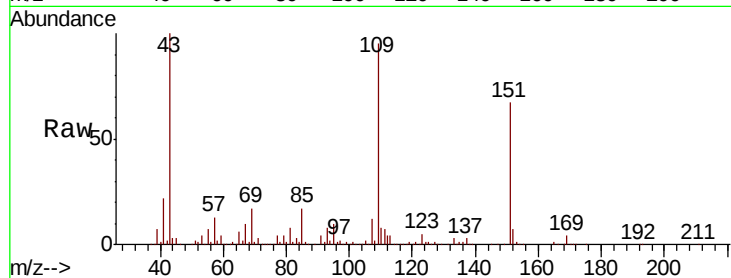
Tot Ion: 65 Resp: 22082

Ion Ratio Lower Upper

65 100

92 9.5 57.8 86.6#

138 6.2 95.1 142.7#



#50

Dimethylphthalate

Concen: 4.058 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.04 min

Lab File: BF118757.D

Acq: 30 Jan 2020 17:58

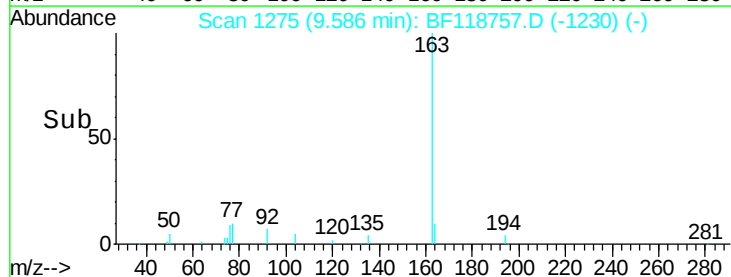
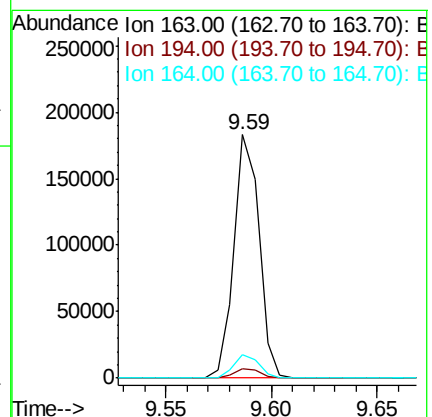
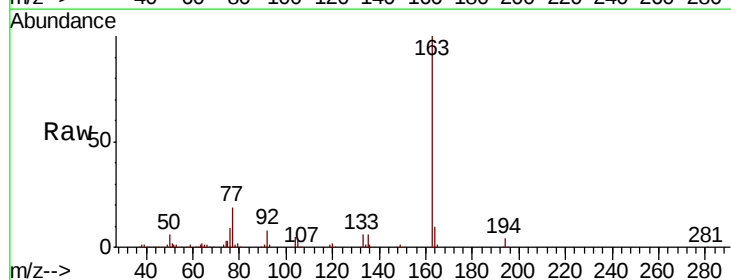
Tgt Ion: 163 Resp: 149519

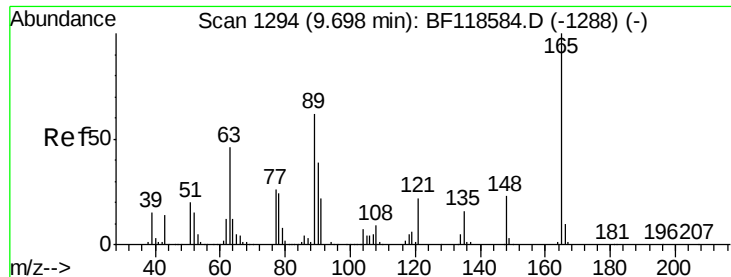
Ion Ratio Lower Upper

163 100

194 3.9 3.7 5.5

164 9.8 8.2 12.2

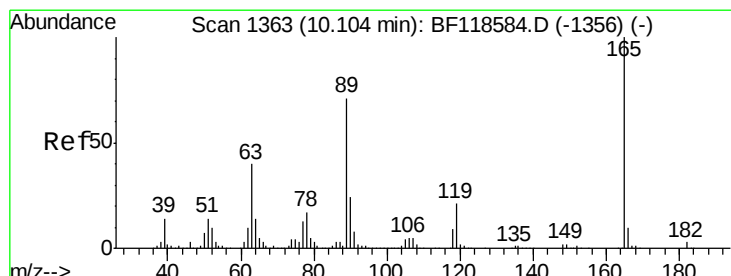
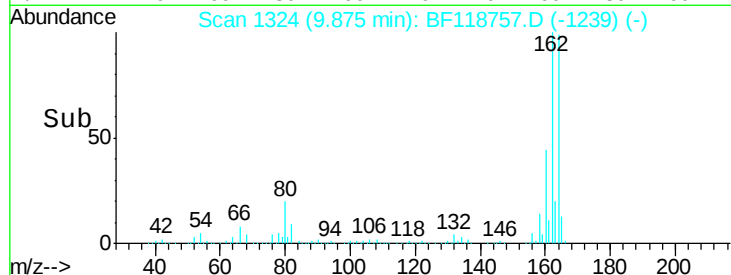
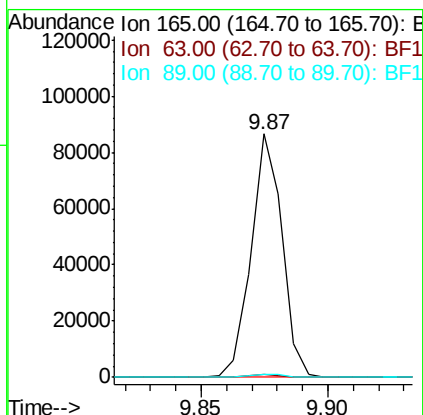
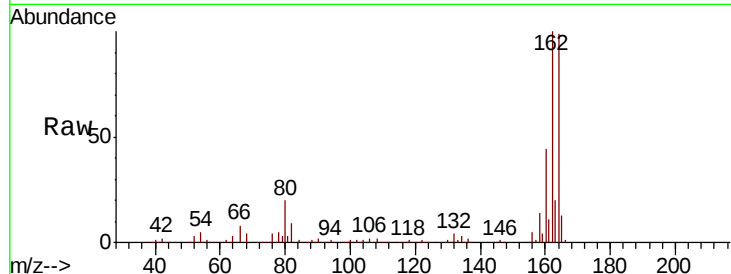




#51
 2,6-Dinitrotoluene
 Concen: 8.888 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.20 min
 Lab File: BF118757.D
 Acq: 30 Jan 2020 17:58

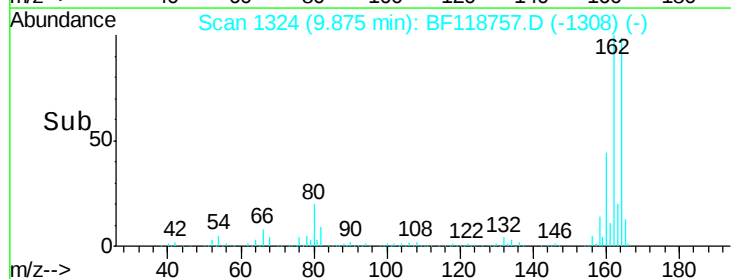
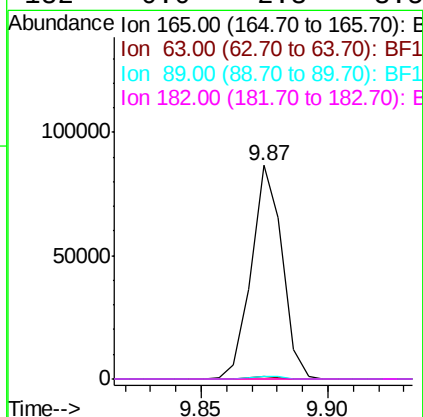
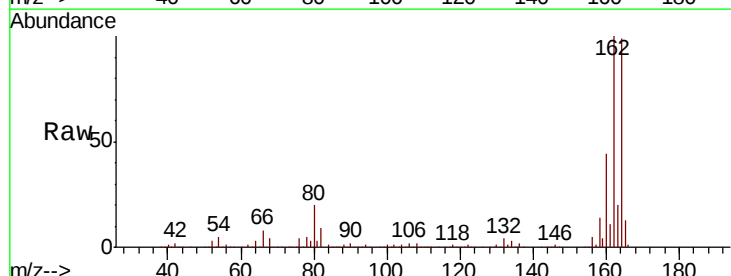
Instrument :
 BNA_F
 ClientSampleId :

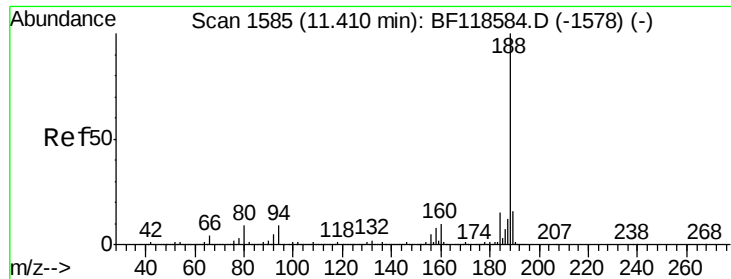
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	39.8	59.6#
89	1.4	41.4	62.2#



#57
 2,4-Dinitrotoluene
 Concen: 7.050 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF118757.D
 Acq: 30 Jan 2020 17:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	28.5	42.7#
89	1.4	50.4	75.6#
182	0.0	2.3	3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BF118757.D

Acq: 30 Jan 2020 17:58

Instrument :

BNA_F

ClientSampleId :

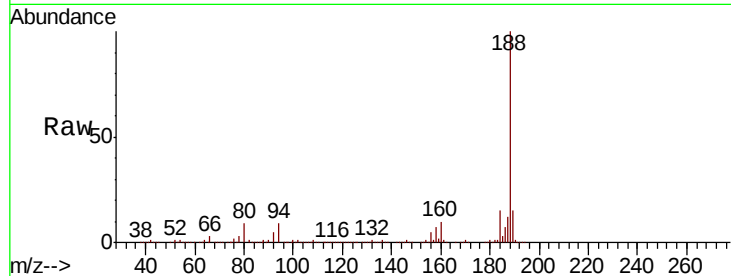
Tot Ion:188 Resp: 1110229

Ion Ratio Lower Upper

188 100

94 8.6 7.4 11.2

80 9.1 7.8 11.8



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

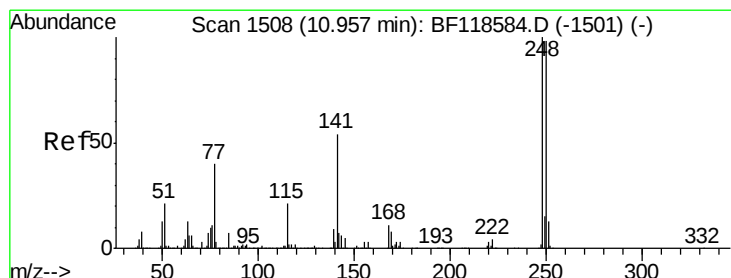
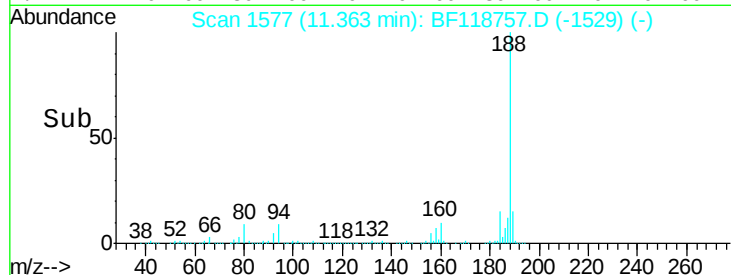
1500000

1000000

500000

0

Time--> 11.30 11.35 11.40



#67

4-Bromophenyl-phenylether

Concen: 2.989 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.26 min

Lab File: BF118757.D

Acq: 30 Jan 2020 17:58

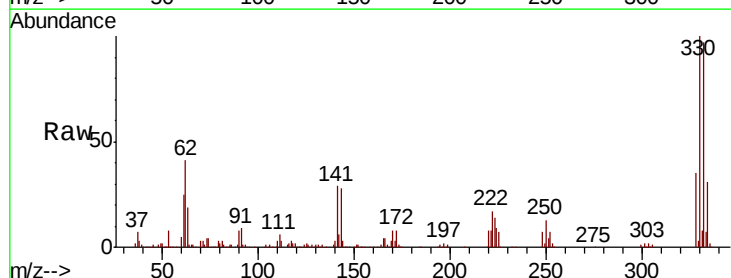
Tgt Ion:248 Resp: 41000

Ion Ratio Lower Upper

248 100

250 195.8 78.7 118.1#

141 427.6 48.4 72.6#



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

250000

200000

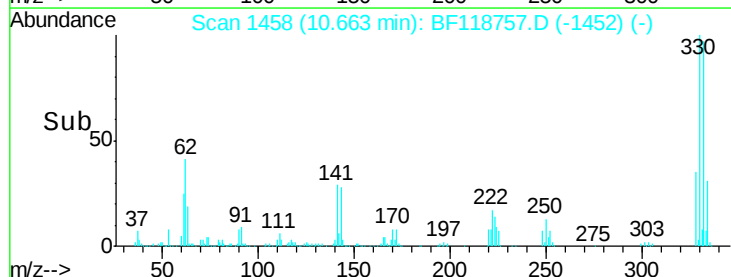
150000

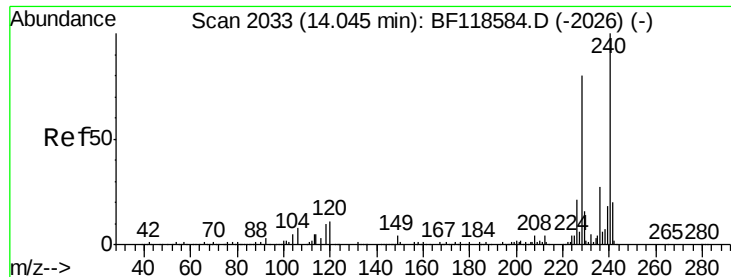
100000

50000

0

Time--> 10.65 10.70

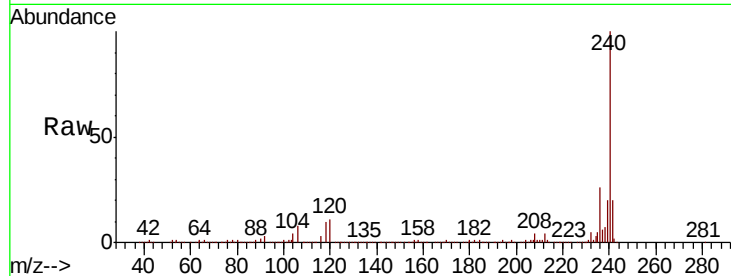




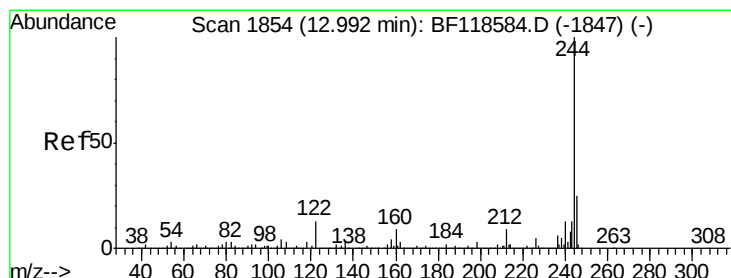
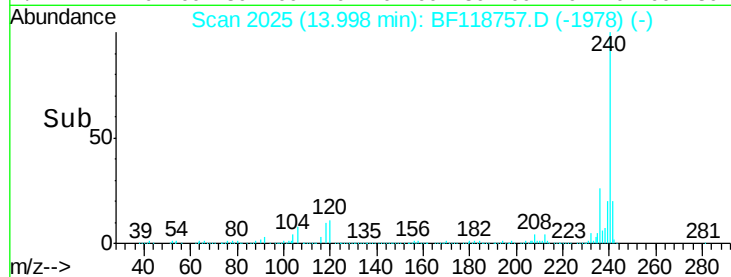
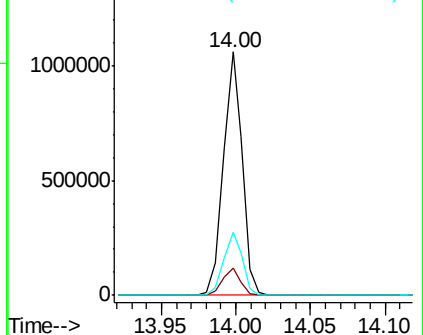
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF118757.D
Acq: 30 Jan 2020 17:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 948250
Ion Ratio Lower Upper
240 100
120 11.1 7.6 11.4
236 26.1 21.0 31.4

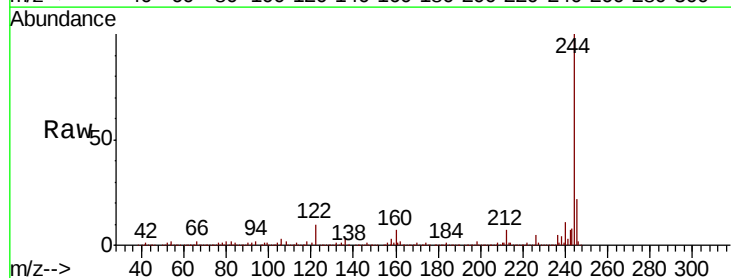


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

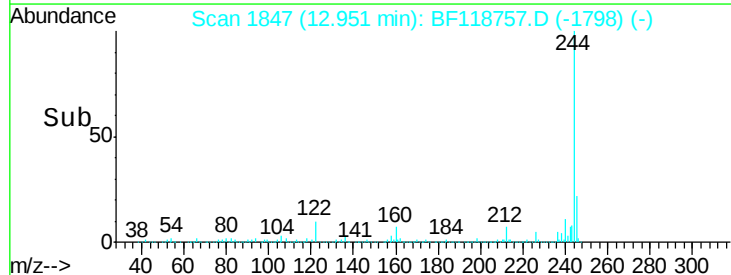
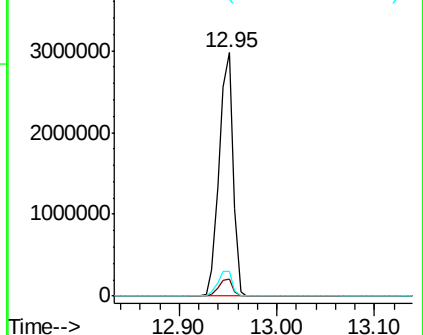


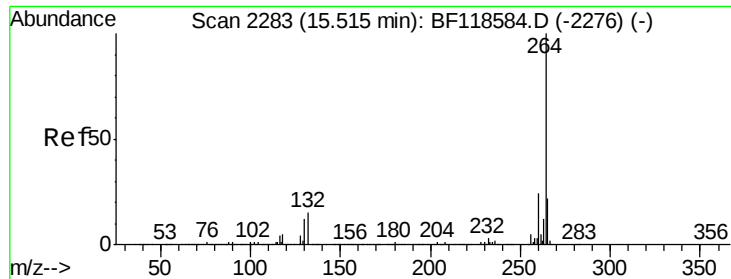
#79
Terphenyl-d14
Concen: 67.904 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF118757.D
Acq: 30 Jan 2020 17:58

Tgt Ion:244 Resp: 2952177
Ion Ratio Lower Upper
244 100
212 7.2 6.3 9.5
122 10.2 9.2 13.8



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.02 min
Lab File: BF118757.D
Acq: 30 Jan 2020 17:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 929742
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 21.6 17.0 25.6

