

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020420\
 Data File : BF118815.D
 Acq On : 4 Feb 2020 21:40
 Operator : CG/JU
 Sample : L1363-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 05 06:34:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

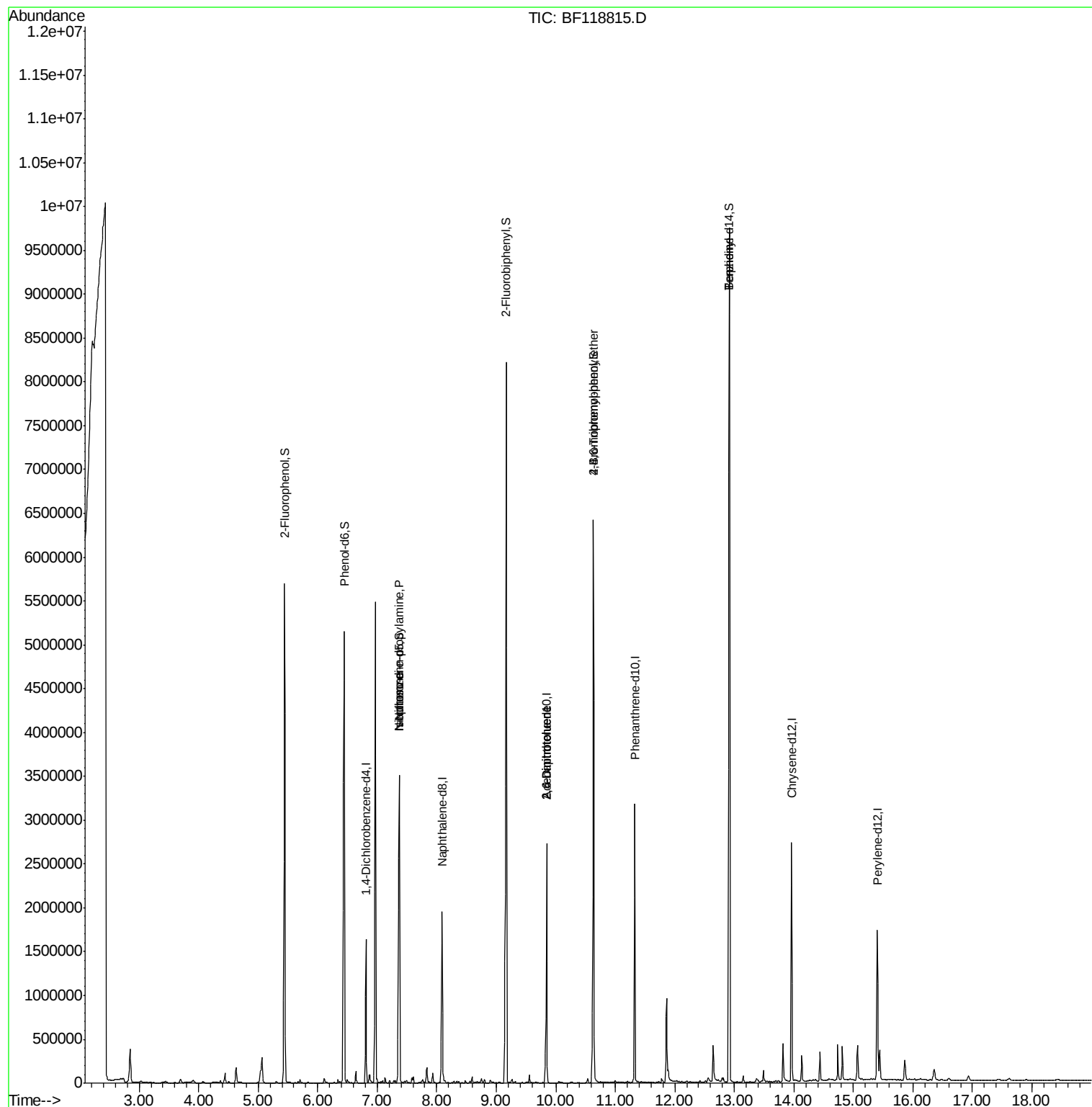
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	273417	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1054481	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	602584	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	1174205	20.00	ng	-0.01
76) Chrysene-d12	13.96	240	890811	20.00	ng	-0.02
87) Perylene-d12	15.40	264	803447	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1935610	134.01	ng	0.01
7) Phenol-d6	6.45	99	2239313	124.89	ng	0.00
23) Nitrobenzene-d5	7.37	82	1602103	90.56	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	1023930	142.01	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	3259701	96.71	ng	-0.01
79) Terphenyl-d14	12.92	244	4107802	94.72	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.37	77	1054	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	219354	19.994 ng	#	78
25) Isophorone	7.37	82	1591279	50.048 ng	#	63
51) 2,6-Dinitrotoluene	9.85	165	78250	8.335 ng	#	30
57) 2,4-Dinitrotoluene	9.85	165	78250	6.298 ng	#	34
67) 4-Bromophenyl-phenylether	10.63	248	67445	4.856 ng	#	1
77) Benzidine	12.92	184	57504	2.134 ng	#	92

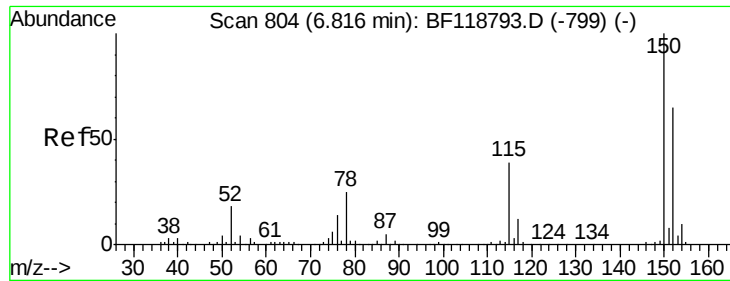
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration



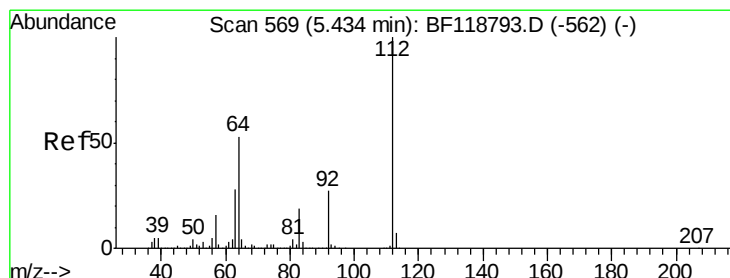
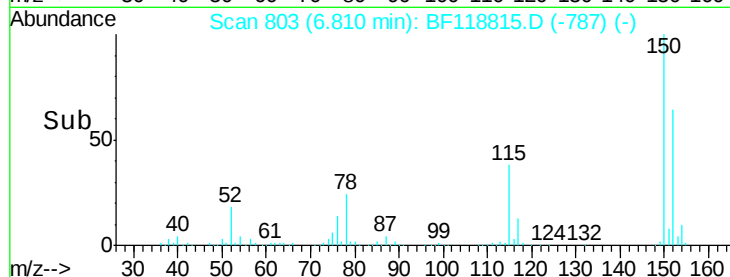
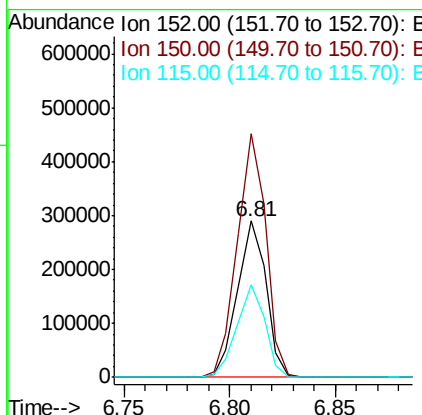
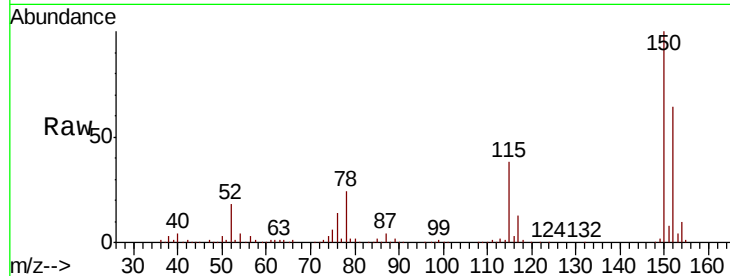


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF118815.D
 Acq: 4 Feb 2020 21:40

Instrument :
 BNA_G
 ClientSampleId :

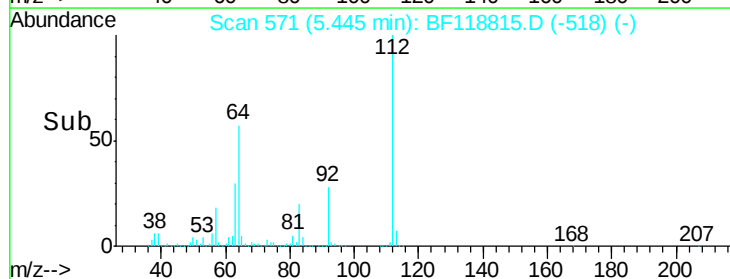
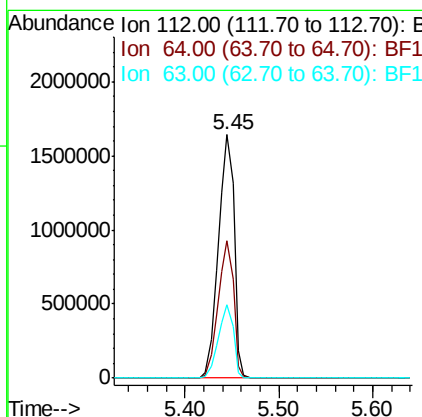
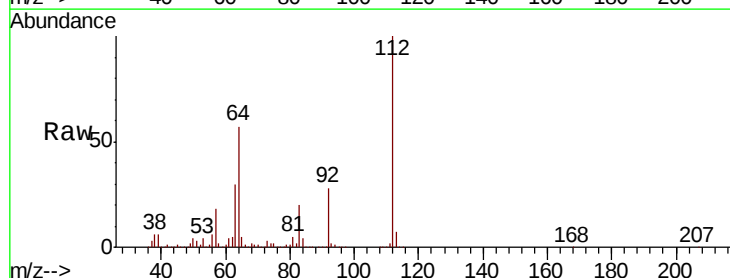
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	123.6	185.4
115	59.5	48.2	72.2

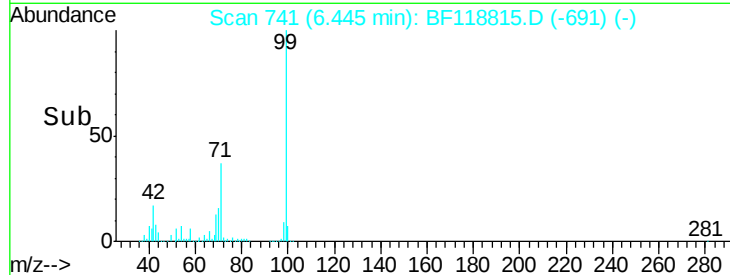
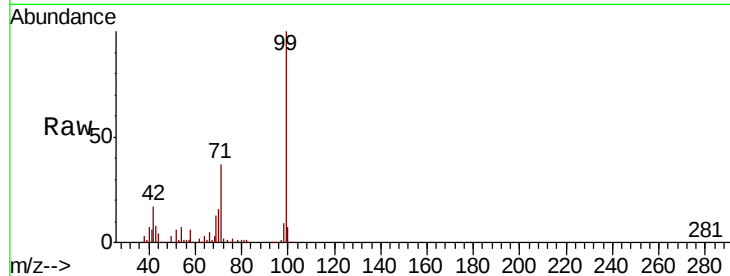
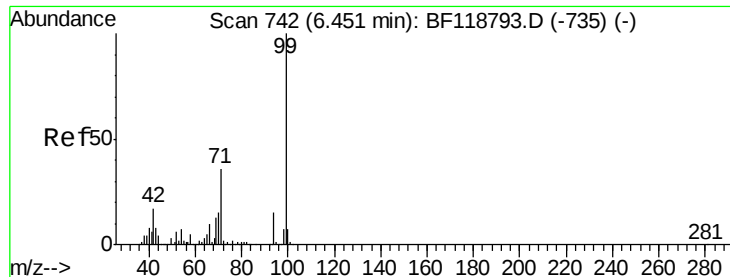


#5

2-Fluorophenol
 Concen: 134.007 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF118815.D
 Acq: 4 Feb 2020 21:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	42.6	63.8
63	30.0	22.2	33.4





#7

Phenol-d6

Concen: 124.890 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118815.D

Acq: 4 Feb 2020 21:40

Instrument :

BNA_G

ClientSampleId :

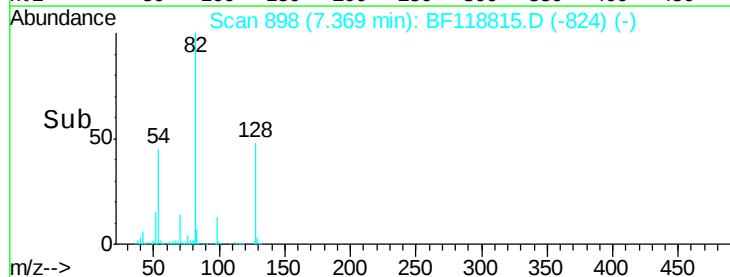
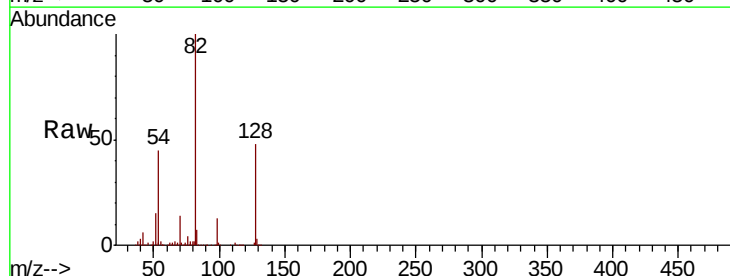
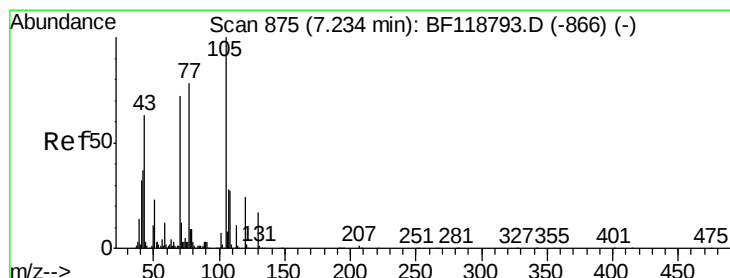
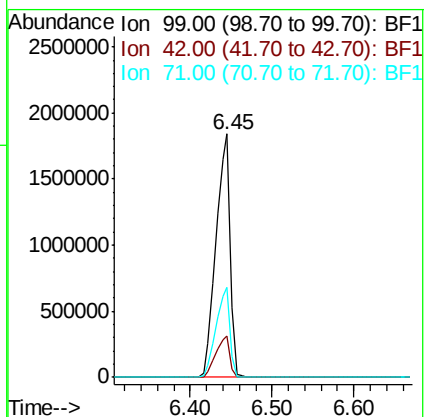
Tot Ion: 99 Resp: 2239313

Ion Ratio Lower Upper

99 100

42 17.1 13.4 20.0

71 37.1 29.0 43.6



#19

n-Nitroso-di-n-propylamine

Concen: 19.994 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF118815.D

Acq: 4 Feb 2020 21:40

Tgt Ion: 70 Resp: 219354

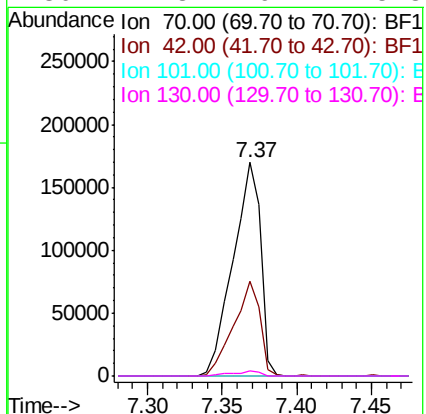
Ion Ratio Lower Upper

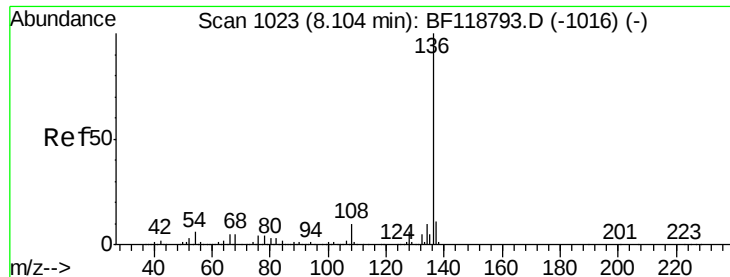
70 100

42 44.1 41.5 62.3

101 0.0 8.3 12.5#

130 2.3 19.2 28.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF118815.D

Acq: 4 Feb 2020 21:40

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 1054481

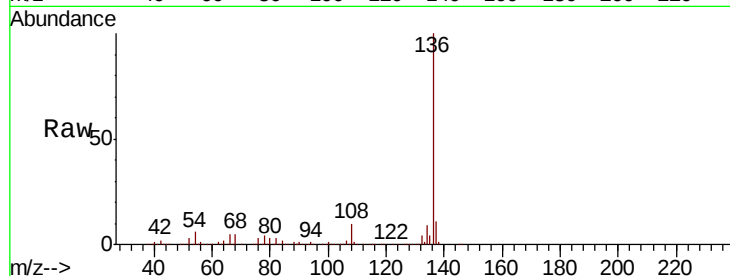
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 6.4 5.0 7.6

68 5.4 4.2 6.4

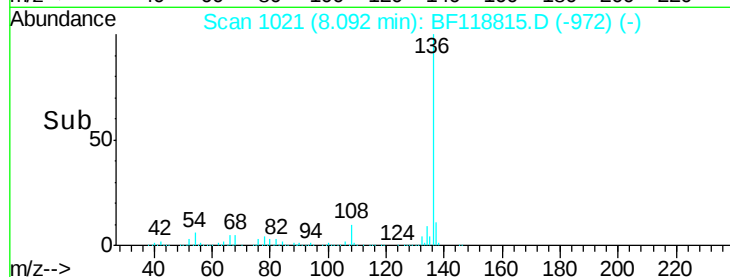


Abundance Ion 136.00 (135.70 to 136.70): E

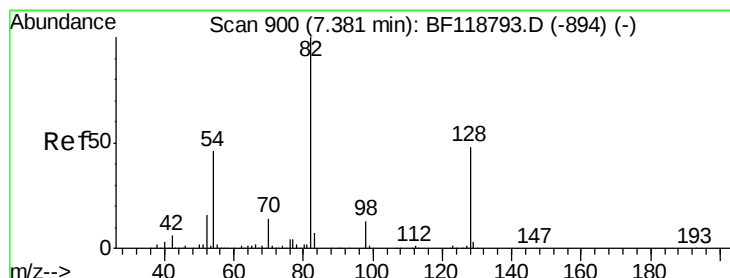
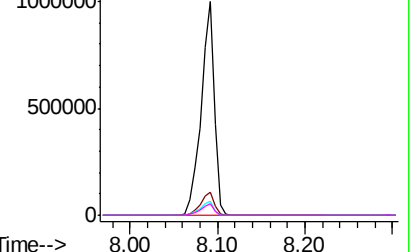
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 90.559 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF118815.D

Acq: 4 Feb 2020 21:40

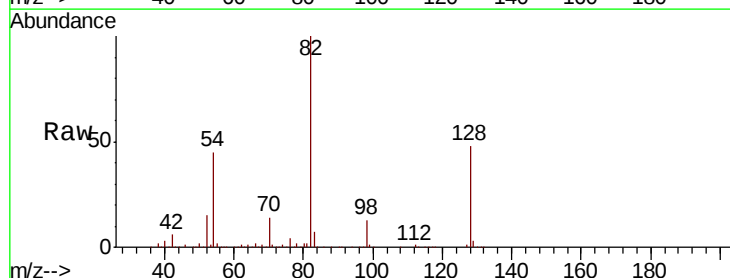
Tgt Ion: 82 Resp: 1602103

Ion Ratio Lower Upper

82 100

128 47.9 38.5 57.7

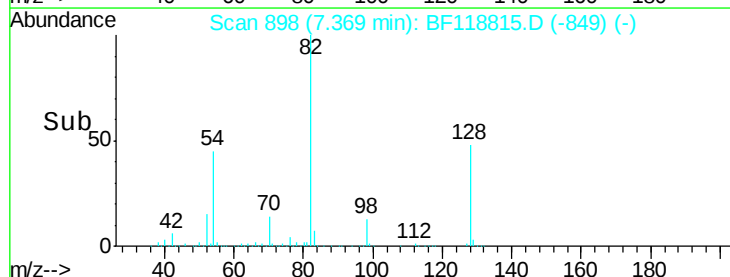
54 45.2 36.7 55.1



Abundance Ion 82.00 (81.70 to 82.70): BF1

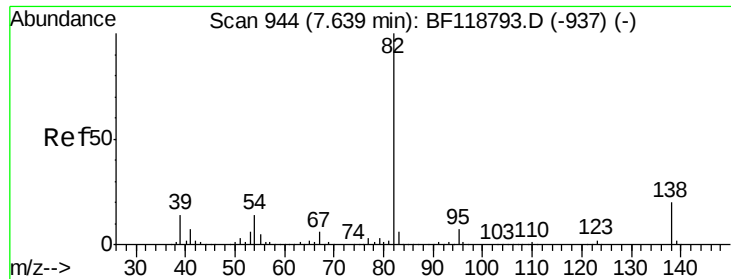
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#25

Isophorone

Concen: 50.048 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF118815.D

Acq: 4 Feb 2020 21:40

Instrument :

BNA_G

ClientSampleId :

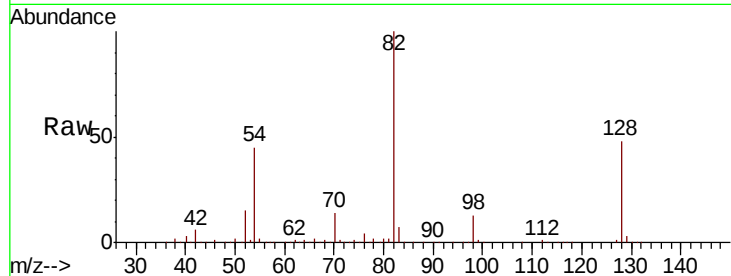
Tot Ion: 82 Resp: 1591279

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

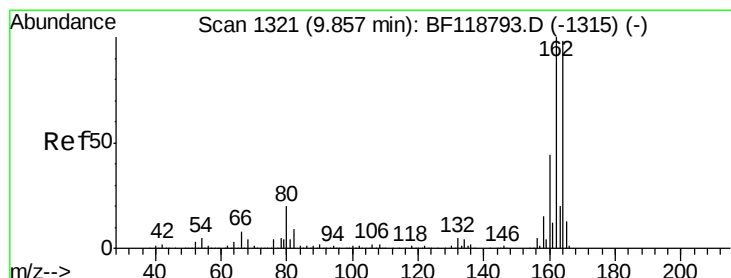
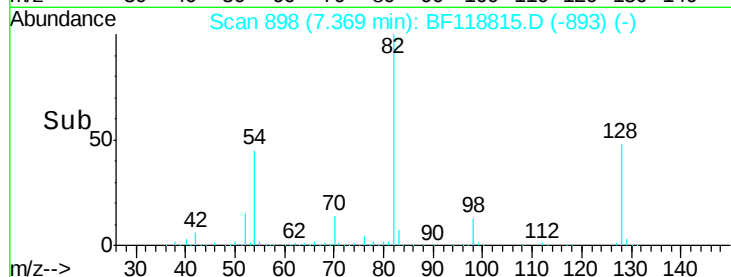
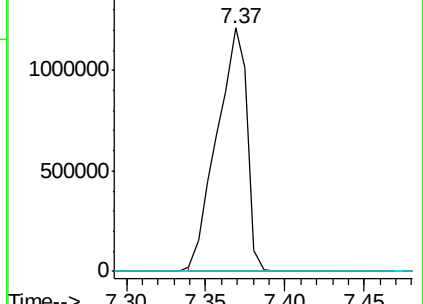
138 0.0 15.7 23.5#



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: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF118815.D

Acq: 4 Feb 2020 21:40

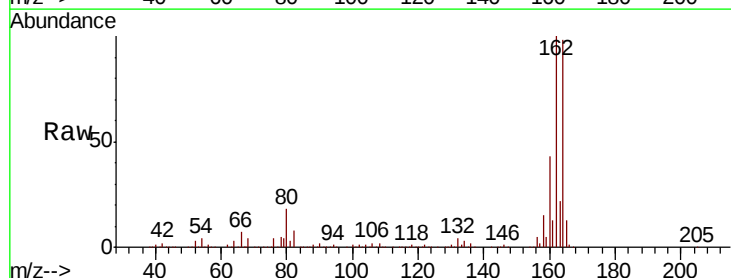
Tgt Ion:164 Resp: 602584

Ion Ratio Lower Upper

164 100

162 102.2 81.4 122.2

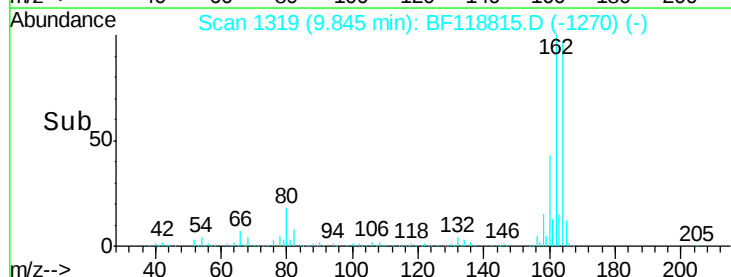
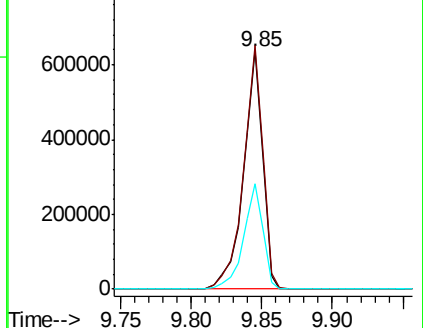
160 44.3 35.6 53.4

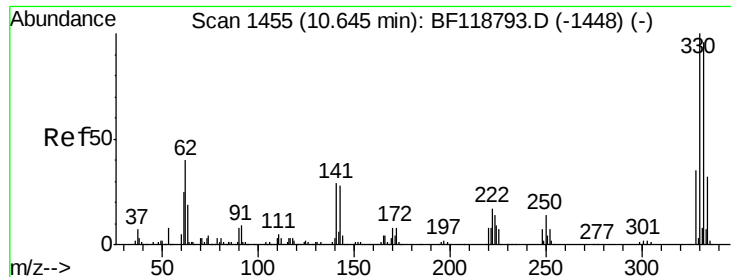


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

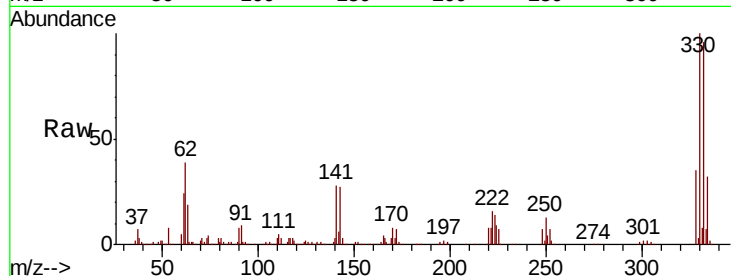




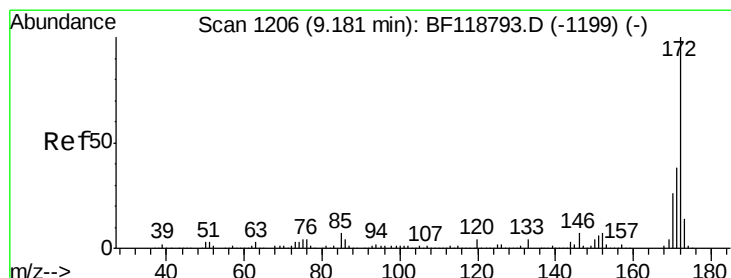
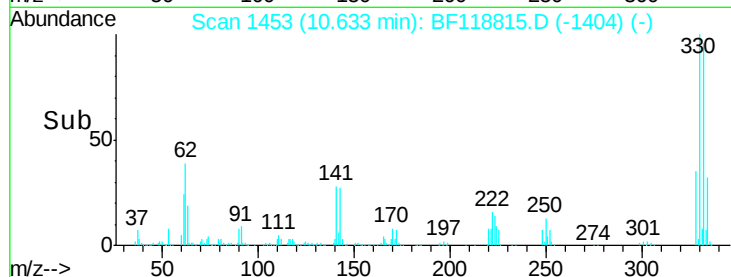
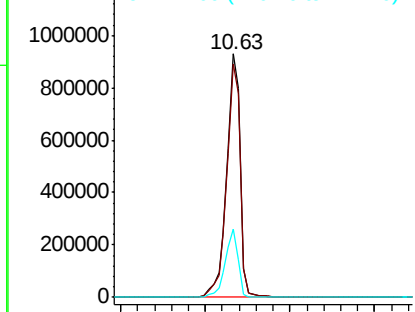
#42
 2,4,6-Tribromophenol
 Concen: 142.014 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF118815.D
 Acq: 4 Feb 2020 21:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 1023930
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.3 115.9
 141 27.1 22.4 33.6

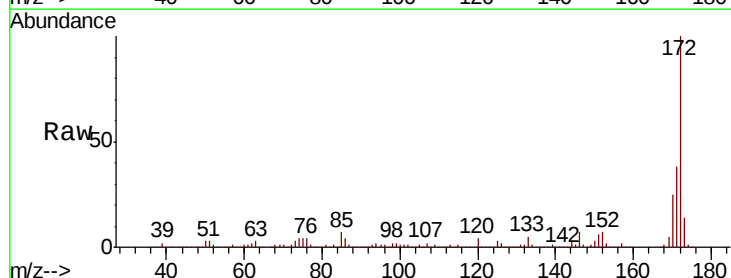


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

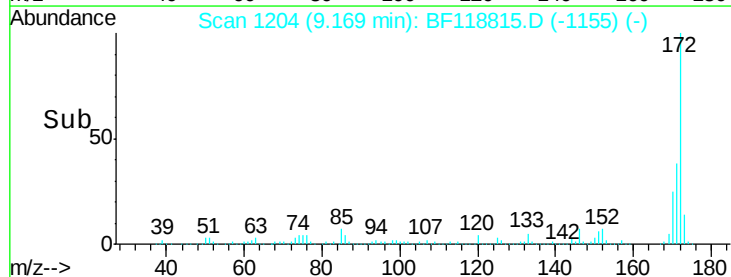
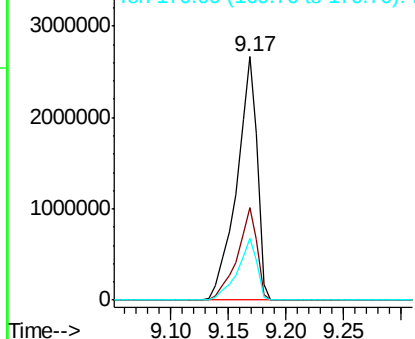


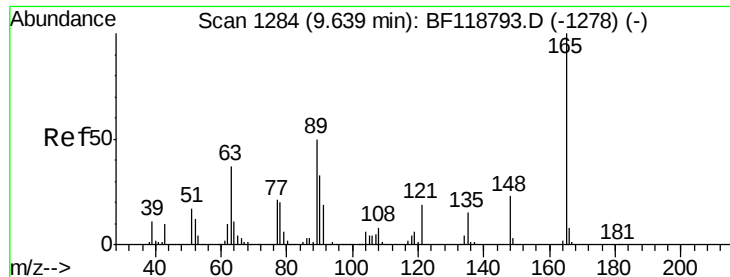
#45
 2-Fluorobiphenyl
 Concen: 96.706 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF118815.D
 Acq: 4 Feb 2020 21:40

Tgt Ion:172 Resp: 3259701
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.8 46.2
 170 25.3 20.5 30.7



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

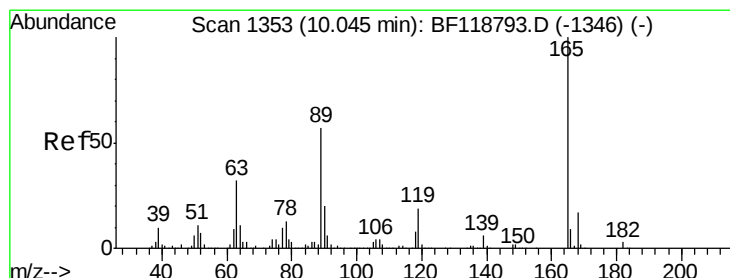
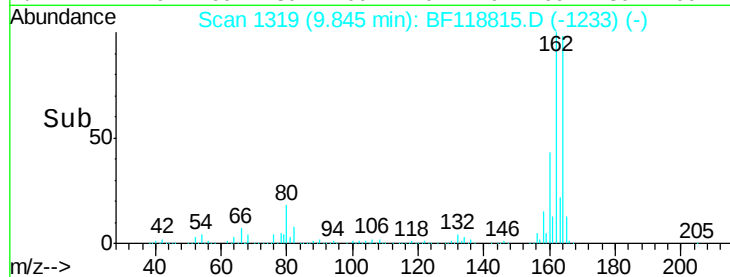
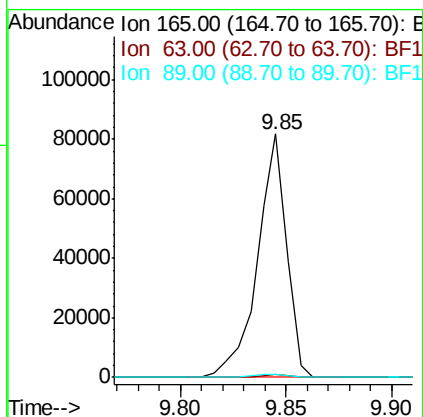
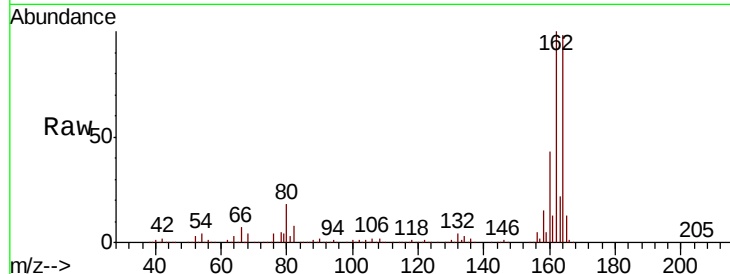




#51
 2,6-Dinitrotoluene
 Concen: 8.335 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF118815.D
 Acq: 4 Feb 2020 21:40

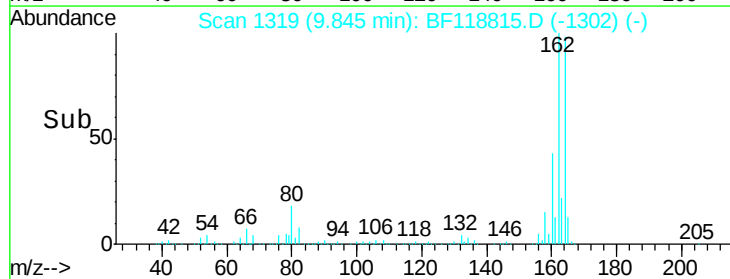
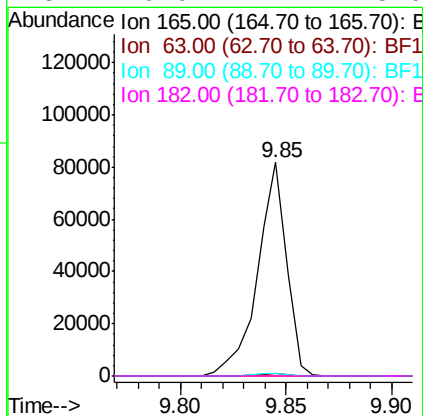
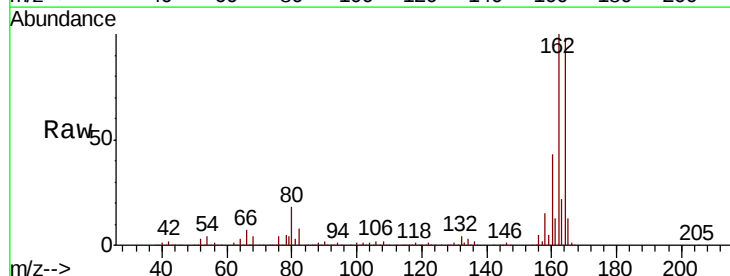
Instrument :
 BNA_G
 ClientSampleId :

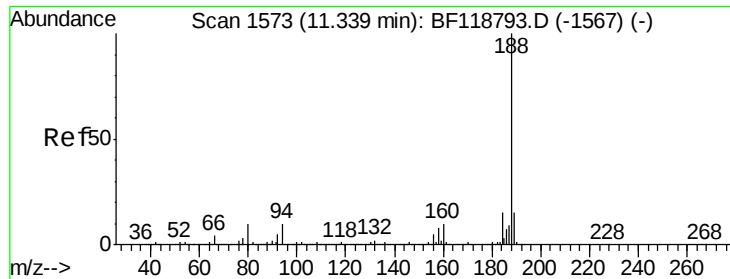
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	37.4	56.0#
89	1.2	39.7	59.5#



#57
 2,4-Dinitrotoluene
 Concen: 6.298 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF118815.D
 Acq: 4 Feb 2020 21:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	25.5	38.3#
89	1.2	45.4	68.0#
182	0.0	2.4	3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF118815.D

Acq: 4 Feb 2020 21:40

Instrument :

BNA_G

ClientSampleId :

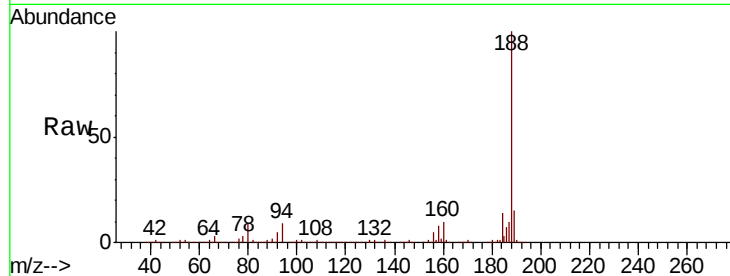
Tot Ion:188 Resp: 1174205

Ion Ratio Lower Upper

188 100

94 8.8 7.9 11.9

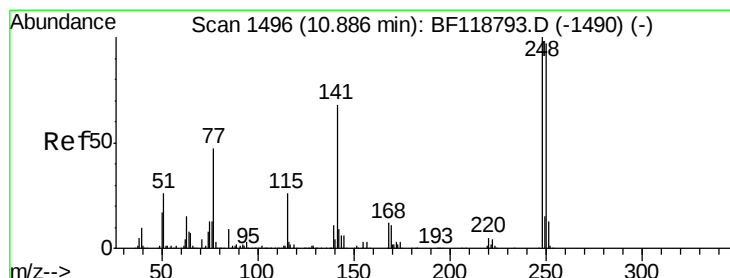
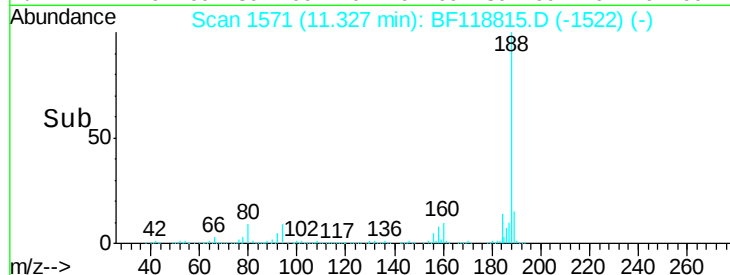
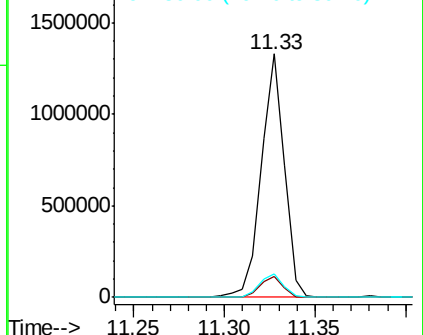
80 9.4 8.4 12.6



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



#67

4-Bromophenyl-phenylether

Concen: 4.856 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.25 min

Lab File: BF118815.D

Acq: 4 Feb 2020 21:40

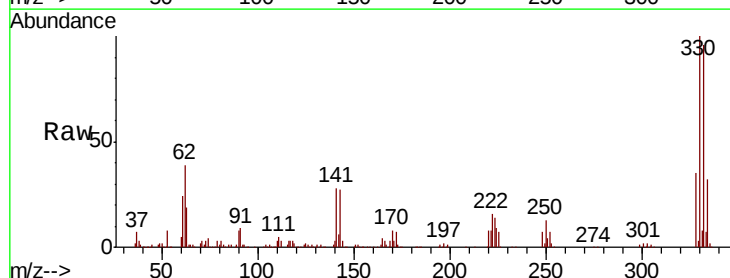
Tgt Ion:248 Resp: 67445

Ion Ratio Lower Upper

248 100

250 192.5 77.6 116.4#

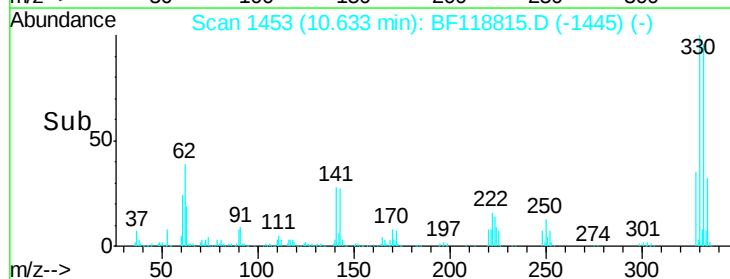
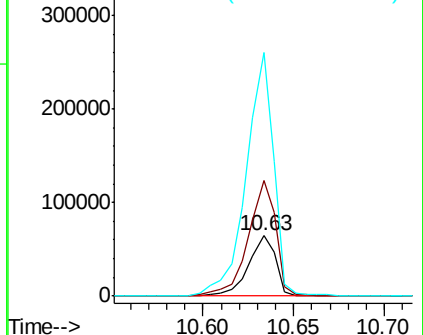
141 405.8 54.4 81.6#

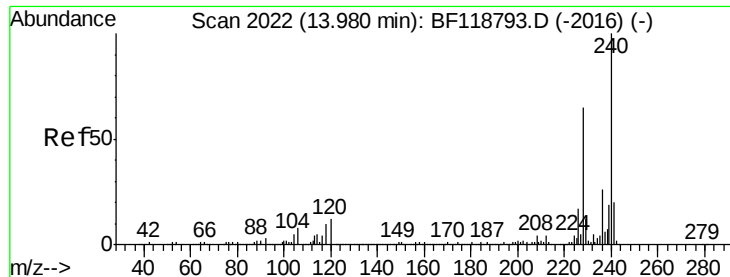


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

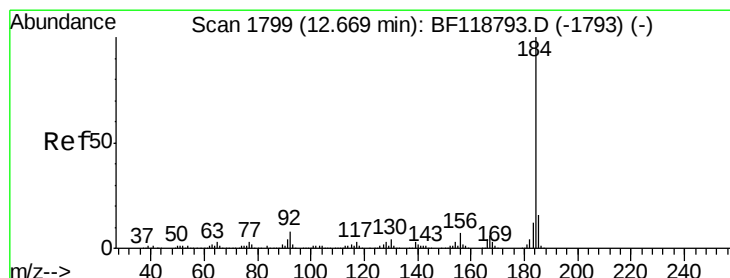
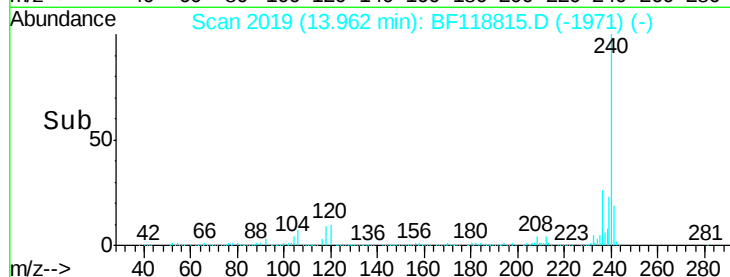
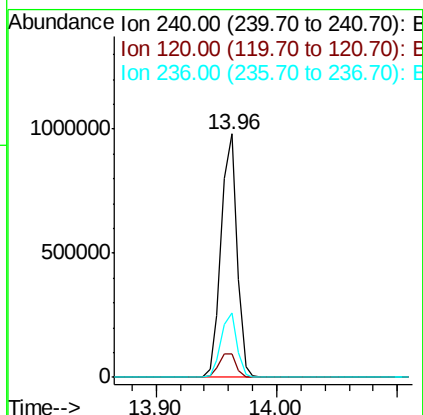
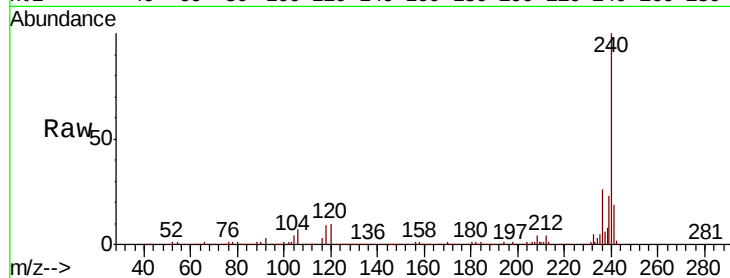




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF118815.D
Acq: 4 Feb 2020 21:40

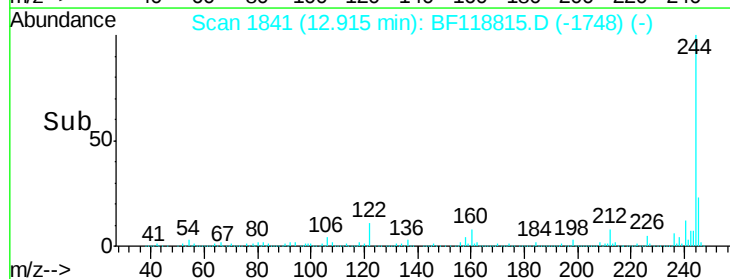
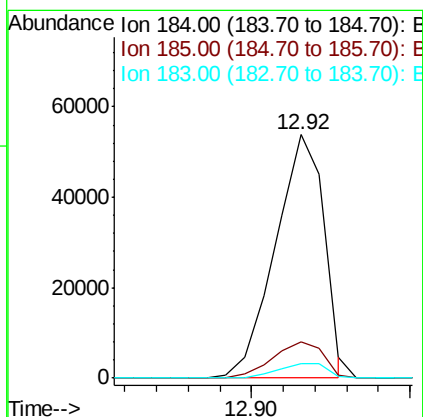
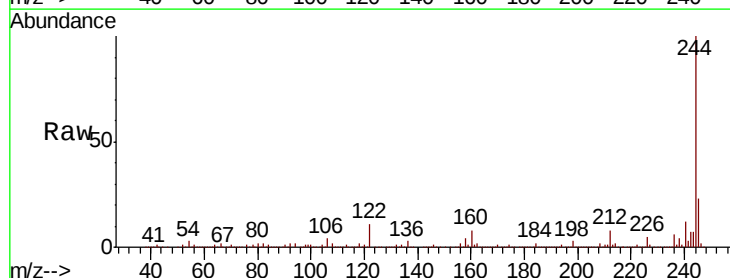
Instrument :
BNA_G
ClientSampleId :

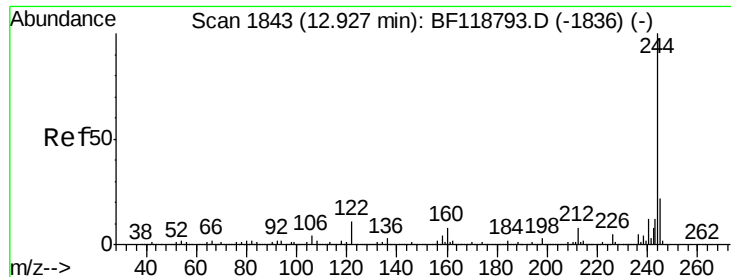
Tot Ion:240 Resp: 890811
Ion Ratio Lower Upper
240 100
120 9.8 9.4 14.0
236 26.3 21.0 31.6



#77
Benzidine
Concen: 2.134 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.25 min
Lab File: BF118815.D
Acq: 4 Feb 2020 21:40

Tgt Ion:184 Resp: 57504
Ion Ratio Lower Upper
184 100
185 14.7 12.5 18.7
183 6.0 9.7 14.5#



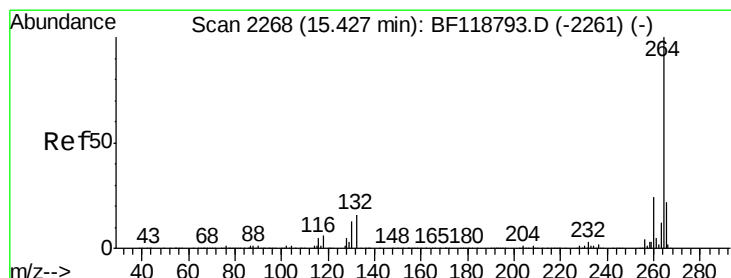
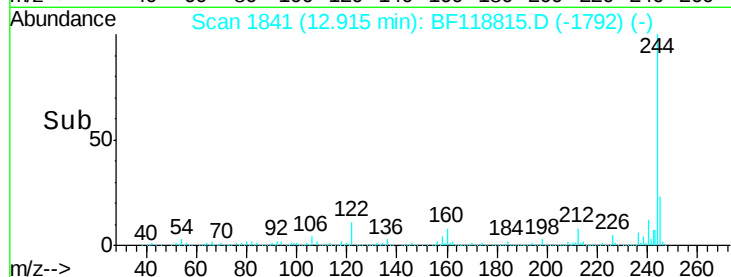
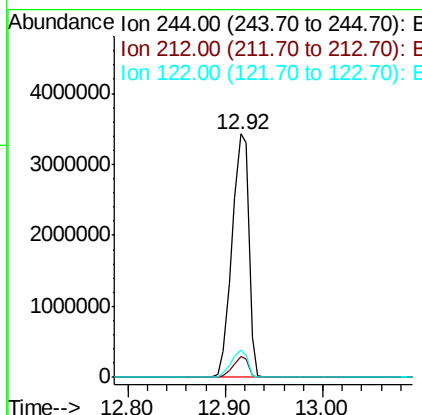
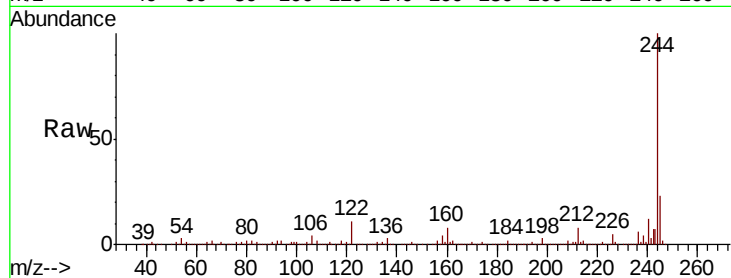


#79
 Terphenyl-d14
 Concen: 94.718 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF118815.D
 Acq: 4 Feb 2020 21:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 4107802

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.5	9.7
122	11.1	8.9	13.3



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.40 min Scan# 2264
 Delta R.T. -0.02 min
 Lab File: BF118815.D
 Acq: 4 Feb 2020 21:40

Tgt Ion:264 Resp: 803447

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	22.3	17.2	25.8

