

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021420\
 Data File : BF118937.D
 Acq On : 14 Feb 2020 17:49
 Operator : CG/JU
 Sample : PB126794TB
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 15 03:37:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 14 00:49:42 2020
 Response via : Initial Calibration

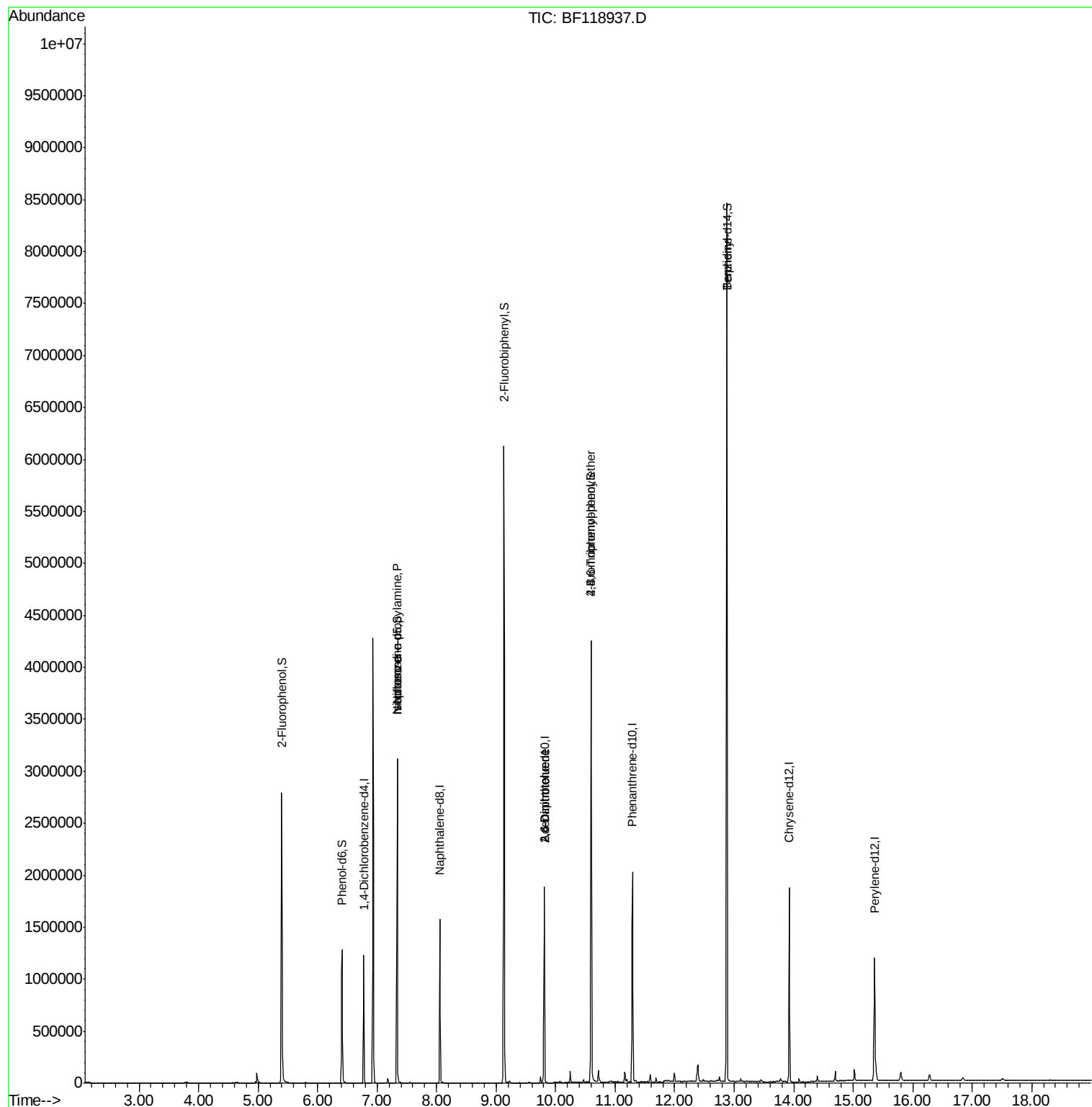
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	180219	20.00	ng	-0.04
21) Naphthalene-d8	8.06	136	692942	20.00	ng	-0.05
39) Acenaphthene-d10	9.81	164	388595	20.00	ng	-0.05
64) Phenanthrene-d10	11.29	188	747101	20.00	ng	-0.05
76) Chrysene-d12	13.93	240	656580	20.00	ng	-0.05
87) Perylene-d12	15.36	264	589683	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	815897	85.70	ng	-0.04
7) Phenol-d6	6.41	99	443349	37.51	ng	-0.04
23) Nitrobenzene-d5	7.34	82	1099582	94.58	ng	-0.04
42) 2,4,6-Tribromophenol	10.60	330	634027	136.36	ng	-0.05
45) 2-Fluorobiphenyl	9.13	172	2089063	96.11	ng	-0.05
79) Terphenyl-d14	12.88	244	3429841	107.30	ng	-0.05
Target Compounds						
9) Benzaldehyde	6.33	77	875	Below Cal		91
19) n-Nitroso-di-n-propylamine	7.34	70	150172	20.767 ng	#	78
25) Isophorone	7.34	82	1093390	52.331 ng	#	63
51) 2,6-Dinitrotoluene	9.81	165	49690	8.207 ng	#	30
57) 2,4-Dinitrotoluene	9.81	165	49690	6.202 ng	#	34
67) 4-Bromophenyl-phenylether	10.60	248	40598	4.594 ng	#	1
77) Benizidine	12.88	184	44884	2.260 ng	#	94

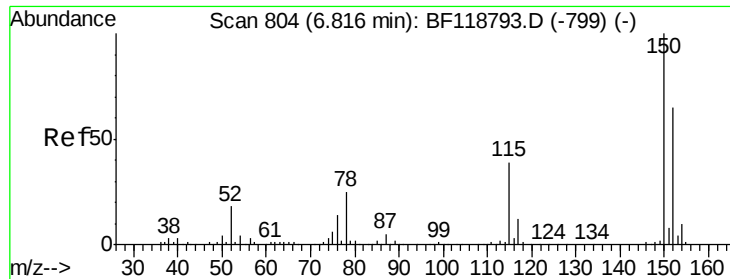
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 15 03:37:26 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 14 00:49:42 2020
Response via : Initial Calibration



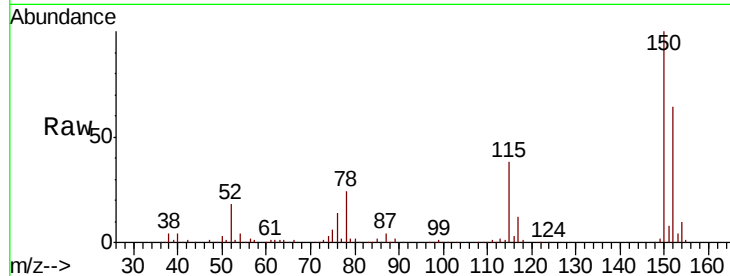


#1

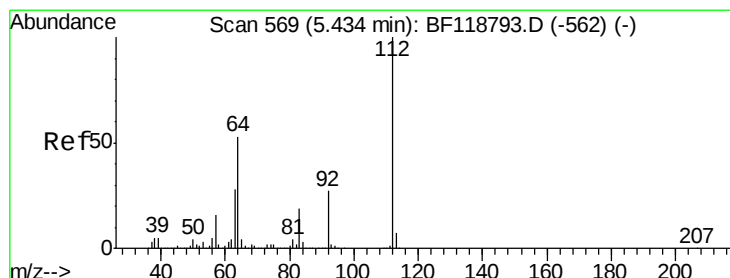
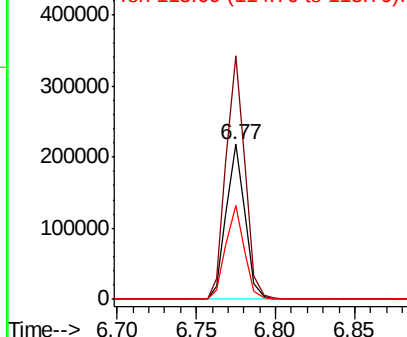
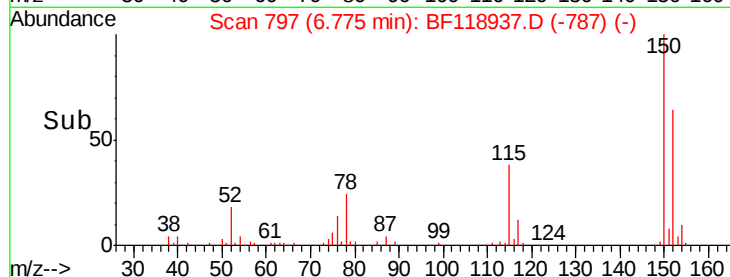
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 797
 Delta R.T. -0.04 min
 Lab File: BF118937.D
 Acq: 14 Feb 2020 17:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 180219
 Ion Ratio Lower Upper
 152 100
 150 157.0 123.6 185.4
 115 60.4 48.2 72.2



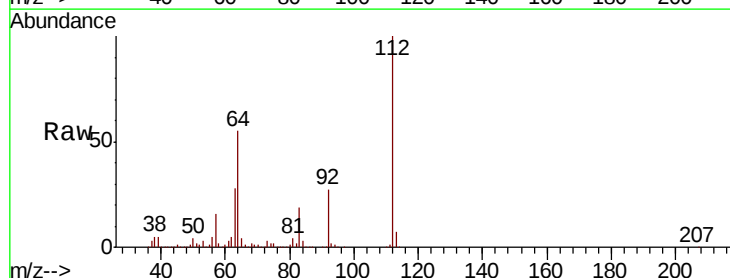
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



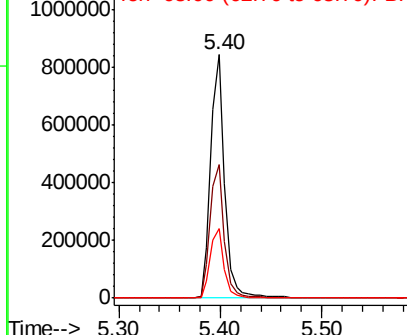
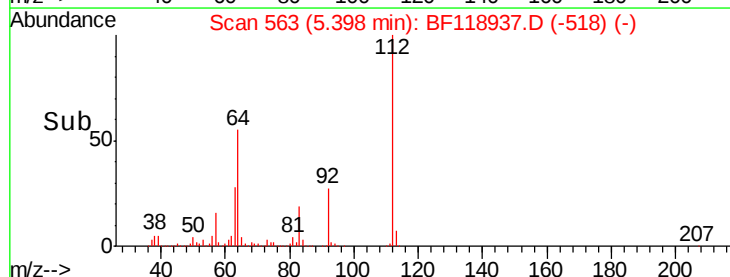
#5

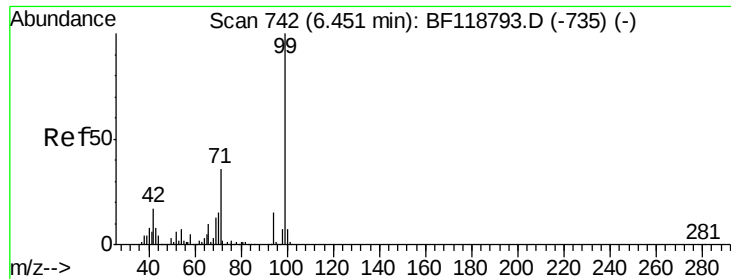
2-Fluorophenol
 Concen: 85.698 ng
 RT: 5.40 min Scan# 563
 Delta R.T. -0.04 min
 Lab File: BF118937.D
 Acq: 14 Feb 2020 17:49

Tgt Ion:112 Resp: 815897
 Ion Ratio Lower Upper
 112 100
 64 54.6 42.6 63.8
 63 28.4 22.2 33.4



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: 37.513 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.04 min

Lab File: BF118937.D

Acq: 14 Feb 2020 17:49

Instrument :

BNA_F

ClientSampleId :

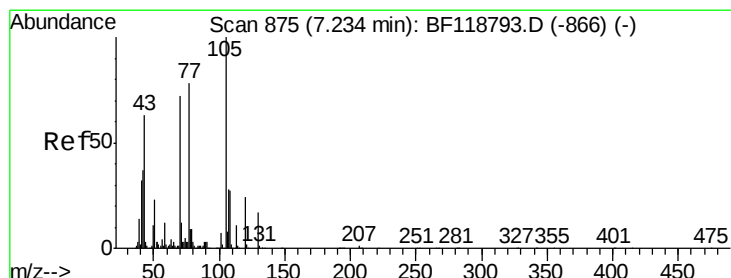
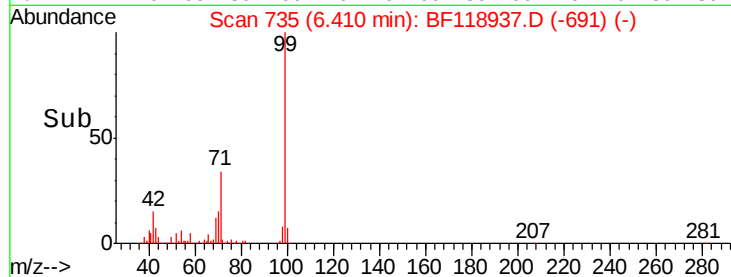
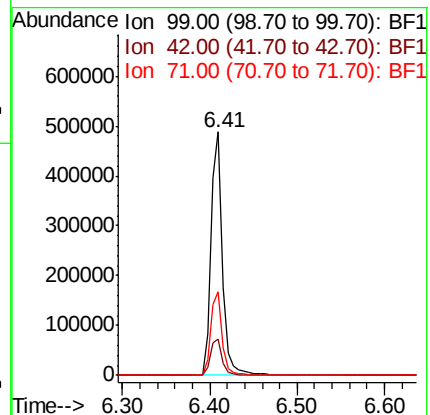
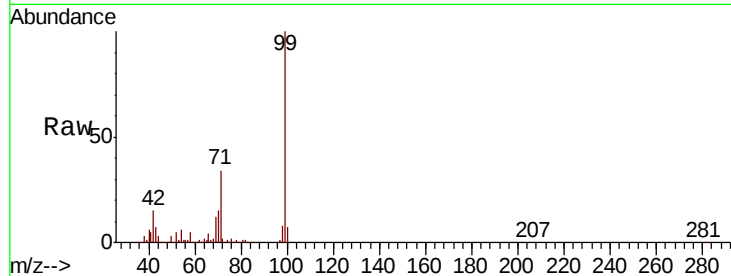
Tot Ion: 99 Resp: 443349

Ion Ratio Lower Upper

99 100

42 15.1 13.4 20.0

71 34.4 29.0 43.6



#19

n-Nitroso-di-n-propylamine

Concen: 20.767 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.11 min

Lab File: BF118937.D

Acq: 14 Feb 2020 17:49

Tgt Ion: 70 Resp: 150172

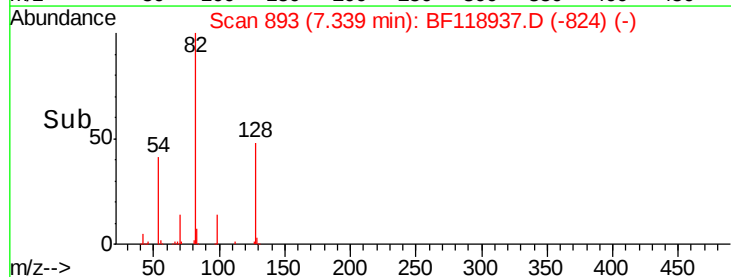
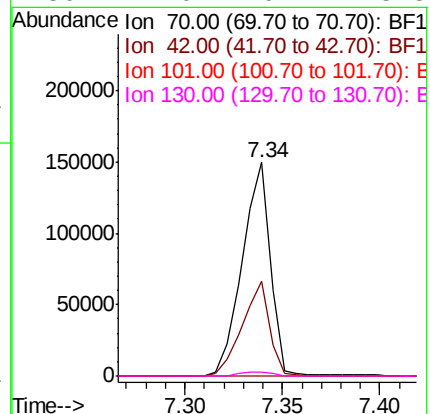
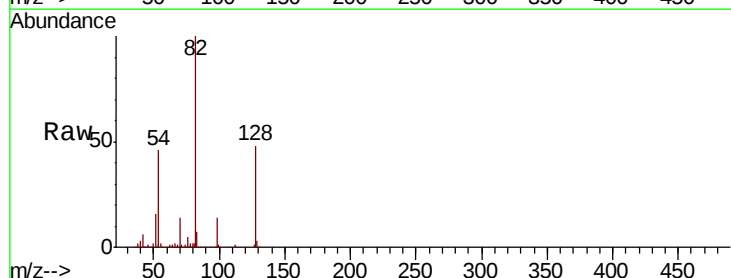
Ion Ratio Lower Upper

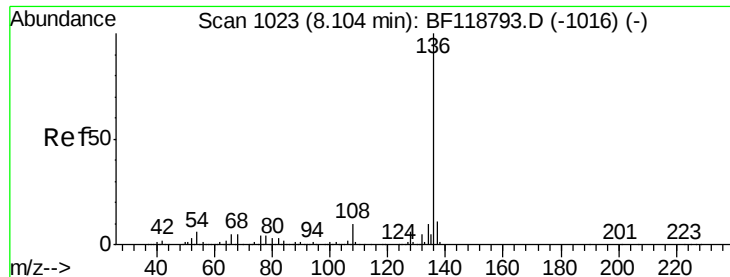
70 100

42 44.6 41.5 62.3

101 0.0 8.3 12.5#

130 2.0 19.2 28.8#

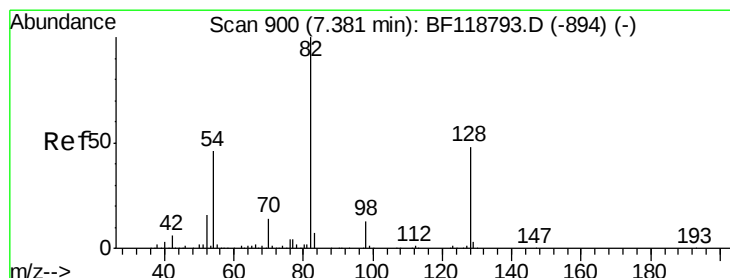
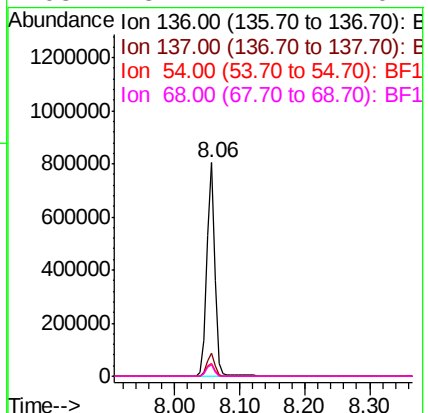
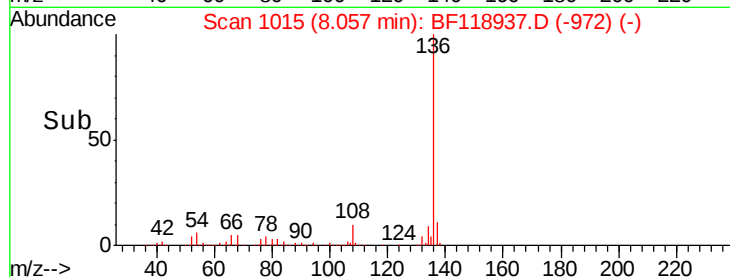
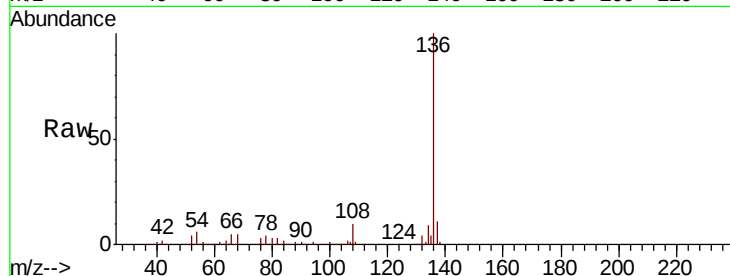




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.05 min
Lab File: BF118937.D
Acq: 14 Feb 2020 17:49

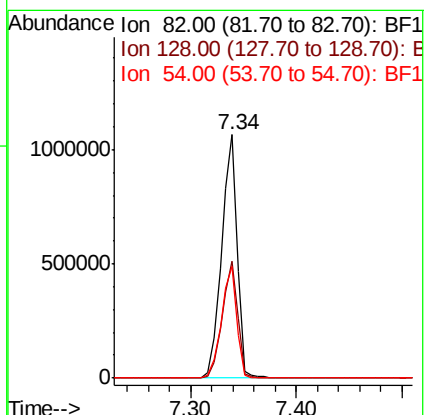
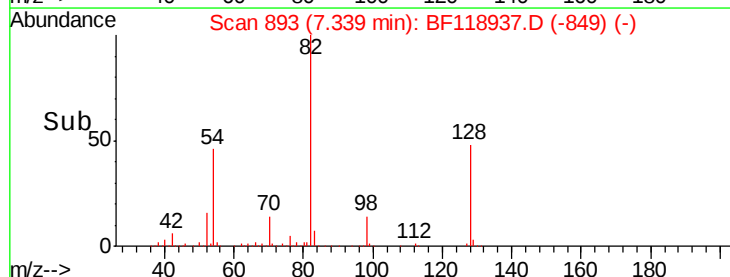
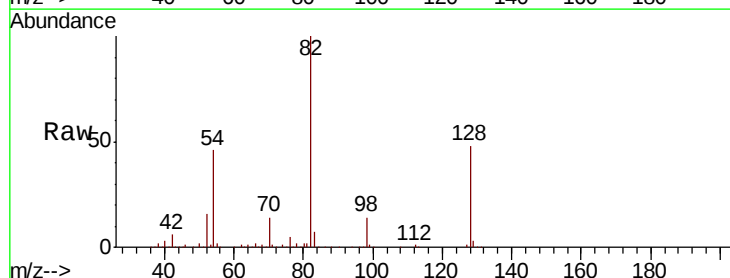
Instrument :
BNA_F
ClientSampleId :

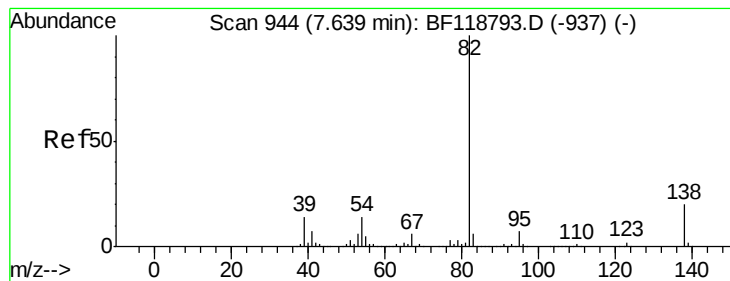
Tot Ion:136	Resp: 692942
Ion Ratio	Lower Upper
136 100	
137 11.1	8.7 13.1
54 6.3	5.0 7.6
68 5.2	4.2 6.4



#23
Nitrobenzene-d5
Concen: 94.583 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.04 min
Lab File: BF118937.D
Acq: 14 Feb 2020 17:49

Tgt Ion: 82	Resp: 1099582
Ion Ratio	Lower Upper
82 100	
128 48.2	38.5 57.7
54 46.1	36.7 55.1





#25

Isophorone

Concen: 52.331 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.30 min

Lab File: BF118937.D

Acq: 14 Feb 2020 17:49

Instrument :

BNA_F

ClientSampled :

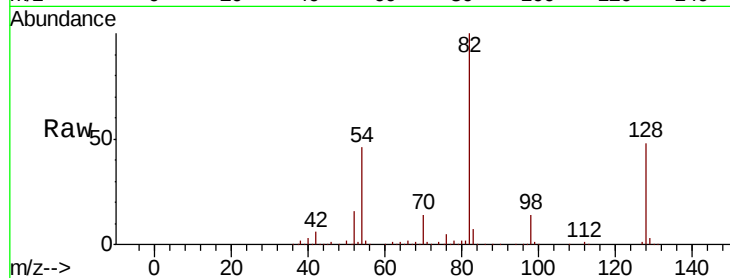
Tot Ion: 82 Resp: 1093390

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

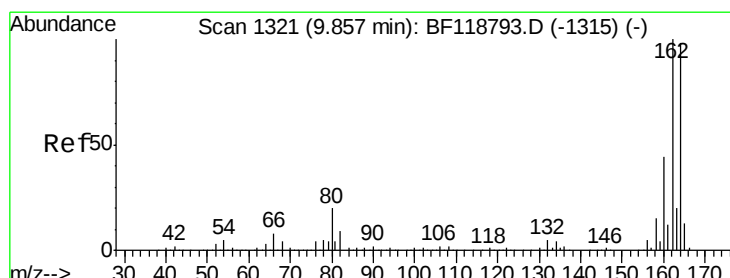
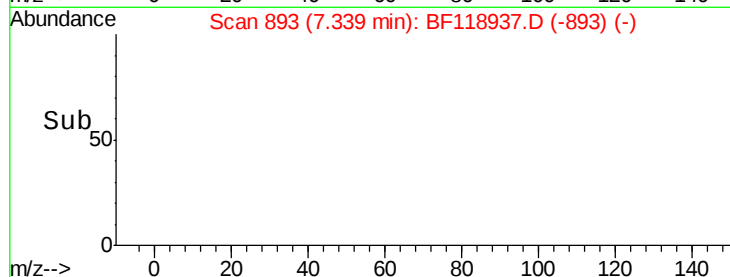
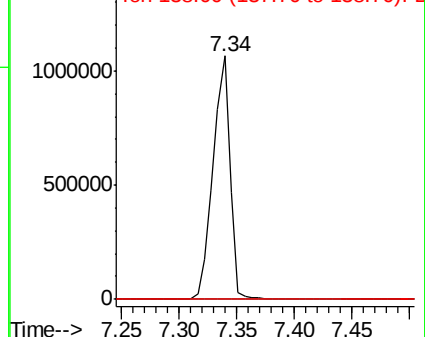
138 0.0 15.7 23.5#



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: 9.81 min Scan# 1313

Delta R.T. -0.05 min

Lab File: BF118937.D

Acq: 14 Feb 2020 17:49

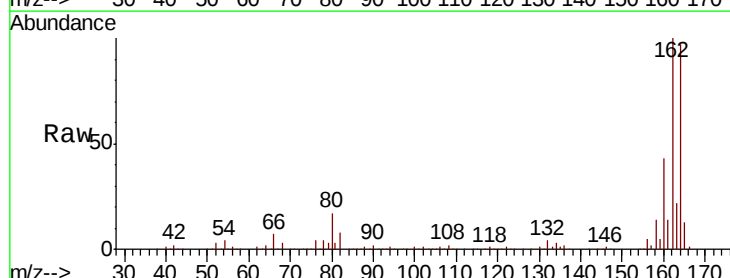
Tgt Ion: 164 Resp: 388595

Ion Ratio Lower Upper

164 100

162 103.2 81.4 122.2

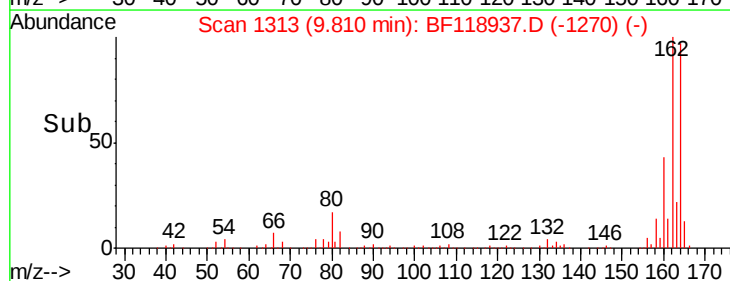
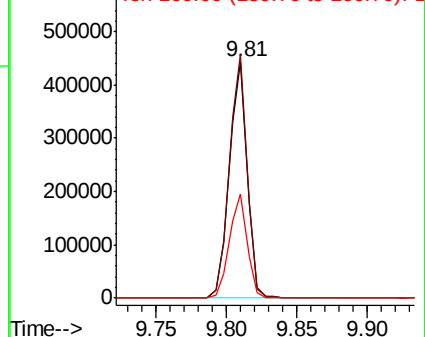
160 44.1 35.6 53.4

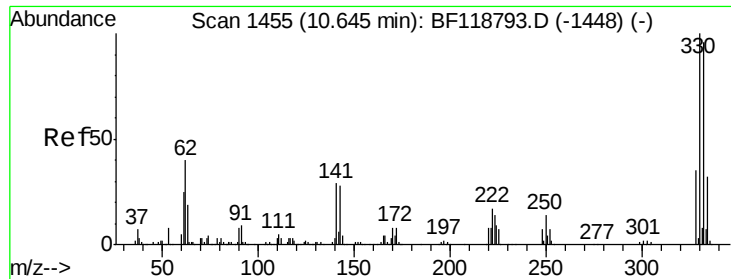


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

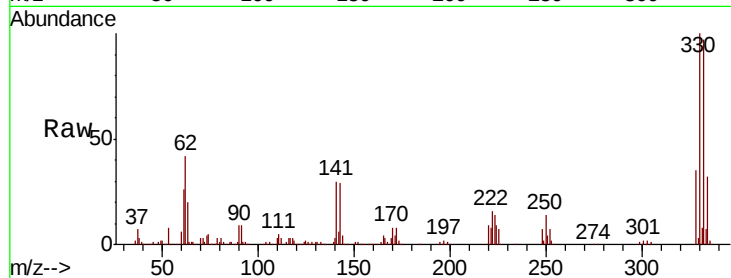




#42
 2,4,6-Tribromophenol
 Concen: 136.360 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.05 min
 Lab File: BF118937.D
 Acq: 14 Feb 2020 17:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.3	115.9
141	27.9	22.4	33.6

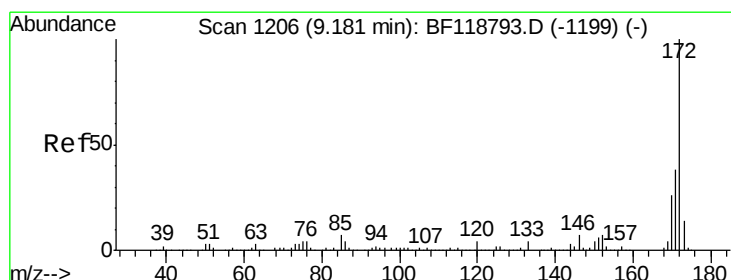
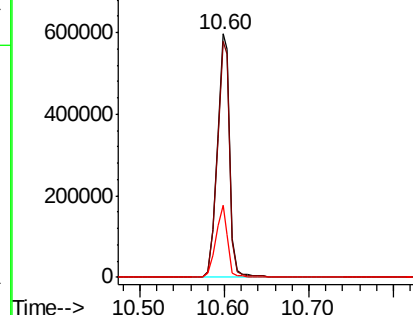
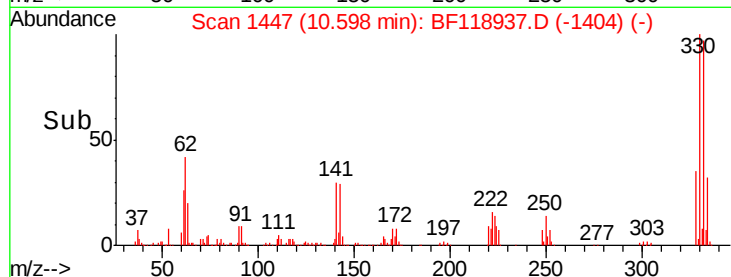


Abundance

Ion 329.80 (329.50 to 330.50): E

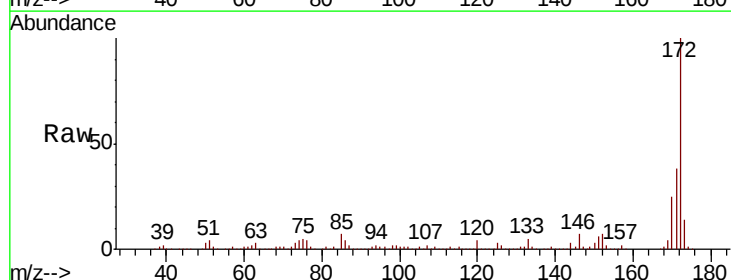
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 96.105 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.05 min
 Lab File: BF118937.D
 Acq: 14 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.8	46.2
170	24.5	20.5	30.7

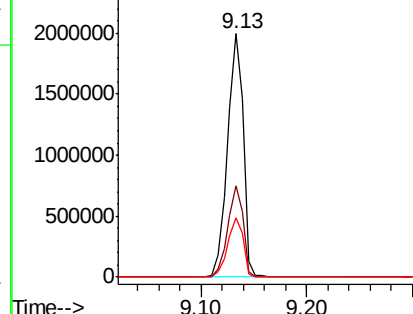
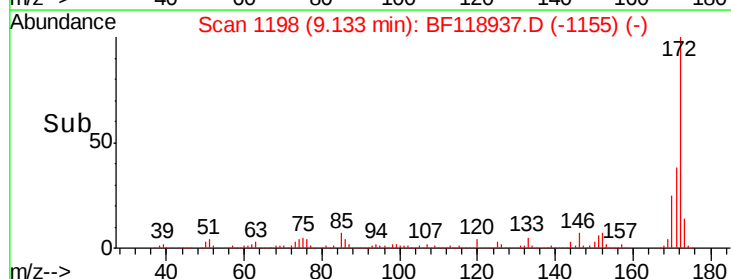


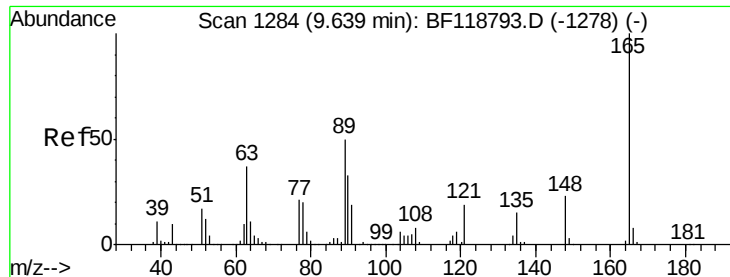
Abundance

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

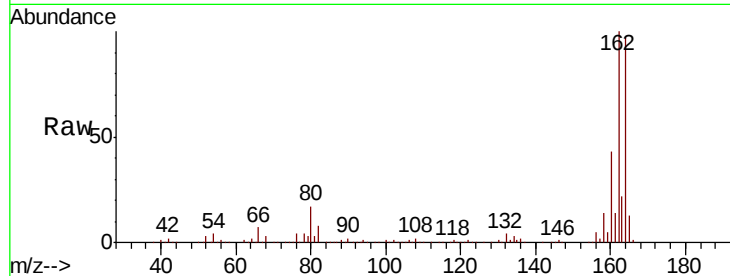




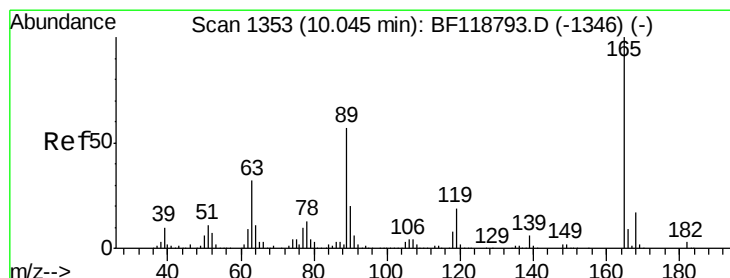
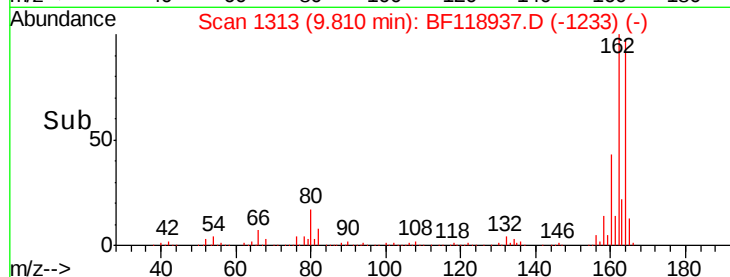
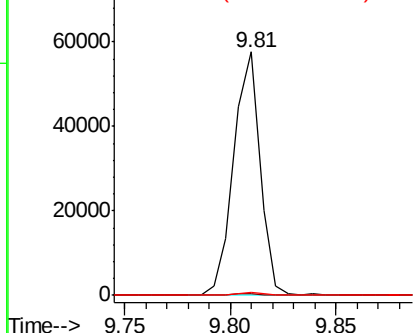
#51
 2,6-Dinitrotoluene
 Concen: 8.207 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. 0.17 min
 Lab File: BF118937.D
 Acq: 14 Feb 2020 17:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	37.4	56.0#
89	1.3	39.7	59.5#

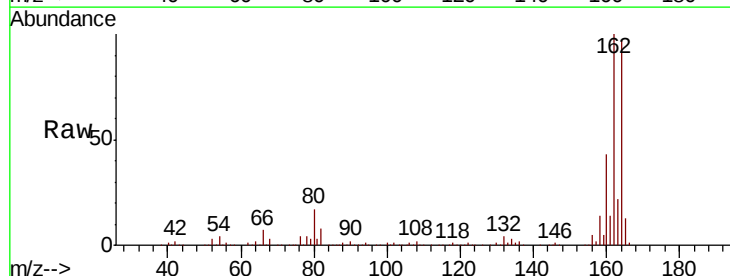


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

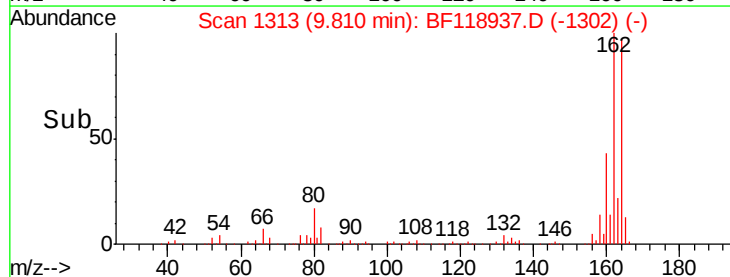
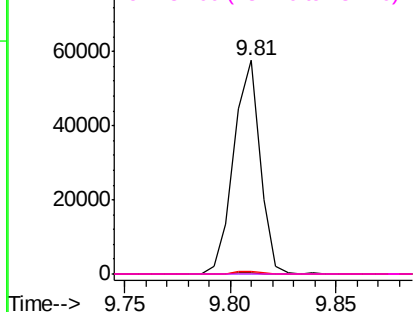


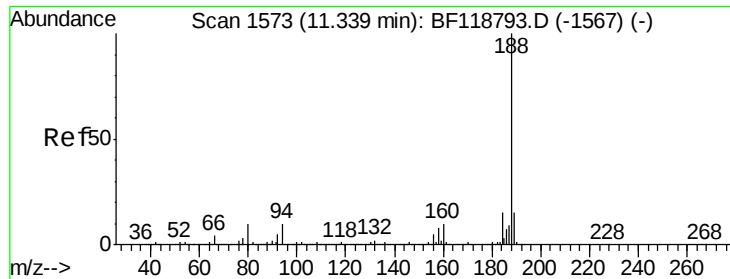
#57
 2,4-Dinitrotoluene
 Concen: 6.202 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.24 min
 Lab File: BF118937.D
 Acq: 14 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	25.5	38.3#
89	1.3	45.4	68.0#
182	0.0	2.4	3.6#



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: 11.29 min Scan# 1565

Delta R.T. -0.05 min

Lab File: BF118937.D

Acq: 14 Feb 2020 17:49

Instrument :

BNA_F

ClientSampled :

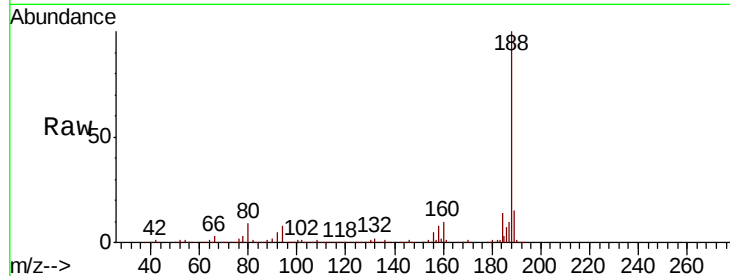
Tot Ion:188 Resp: 747101

Ion Ratio Lower Upper

188 100

94 8.2 7.9 11.9

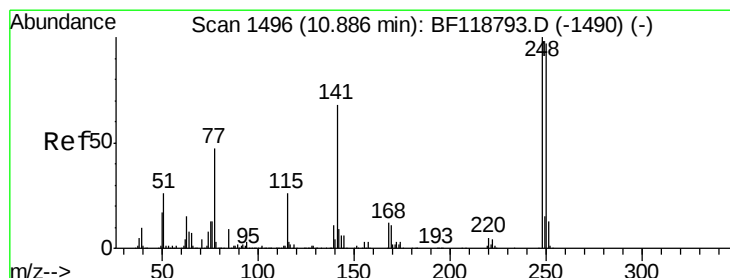
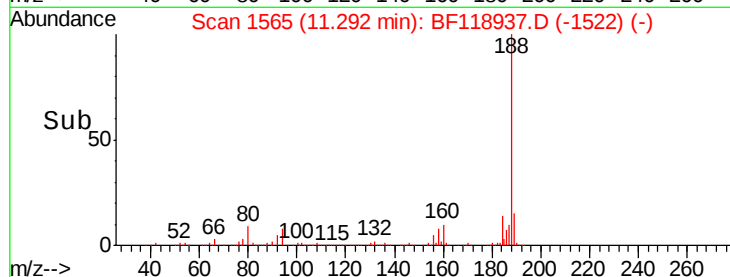
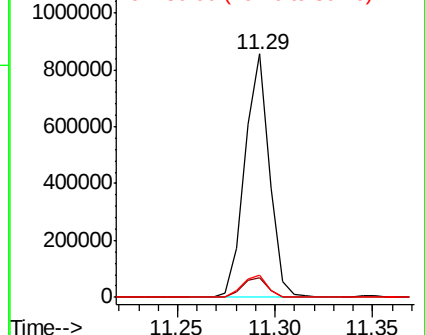
80 9.1 8.4 12.6



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: 4.594 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.29 min

Lab File: BF118937.D

Acq: 14 Feb 2020 17:49

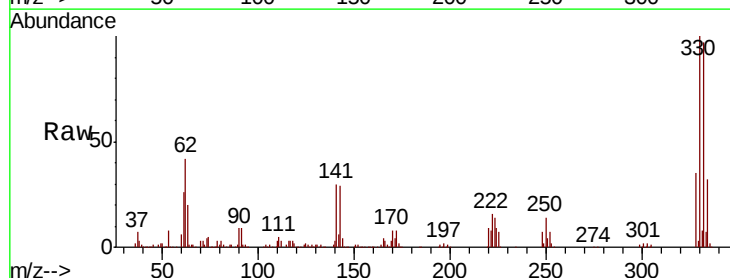
Tgt Ion:248 Resp: 40598

Ion Ratio Lower Upper

248 100

250 210.0 77.6 116.4#

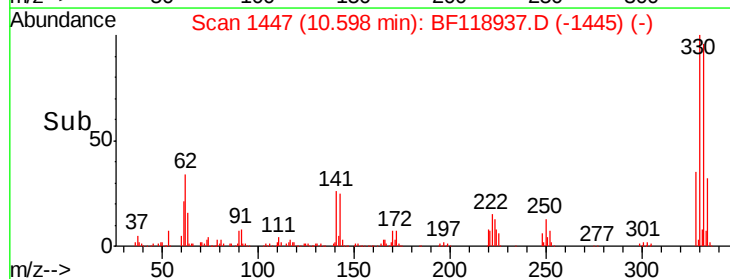
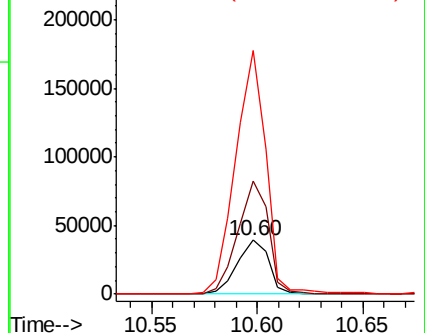
141 452.5 54.4 81.6#

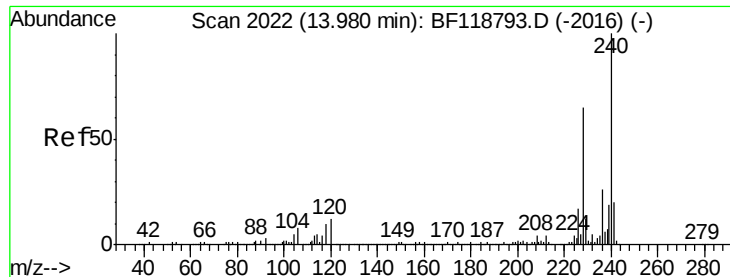


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.93 min Scan# 2013

Delta R.T. -0.05 min

Lab File: BF118937.D

Acq: 14 Feb 2020 17:49

Instrument :

BNA_F

ClientSampleId :

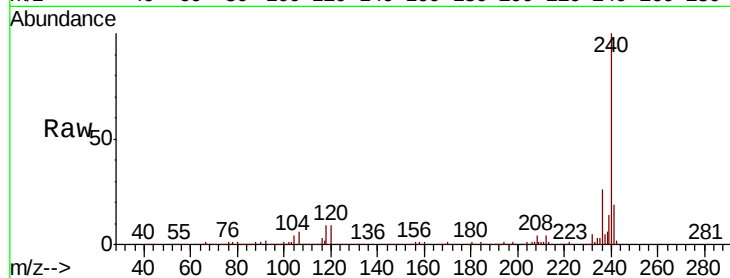
Tot Ion:240 Resp: 656580

Ion Ratio Lower Upper

240 100

120 9.3 9.4 14.0#

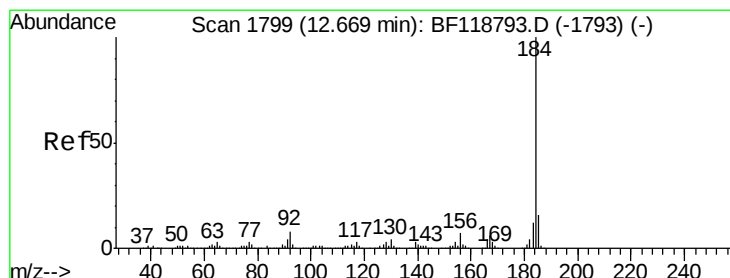
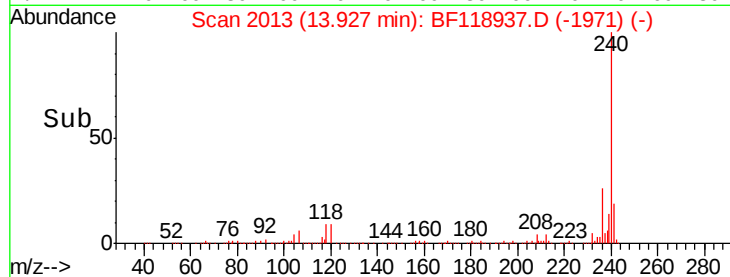
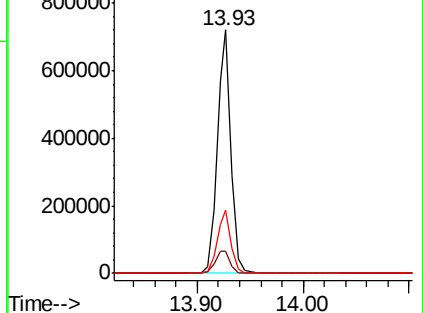
236 25.8 21.0 31.6



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: 2.260 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.21 min

Lab File: BF118937.D

Acq: 14 Feb 2020 17:49

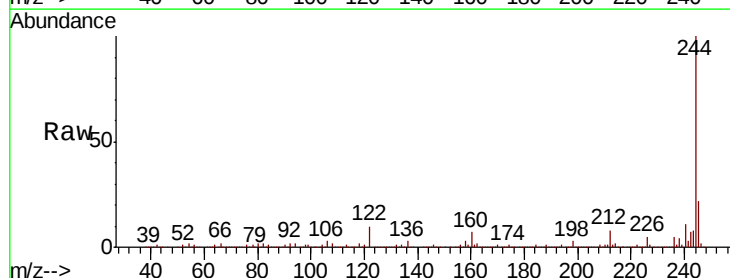
Tgt Ion:184 Resp: 44884

Ion Ratio Lower Upper

184 100

185 15.8 12.5 18.7

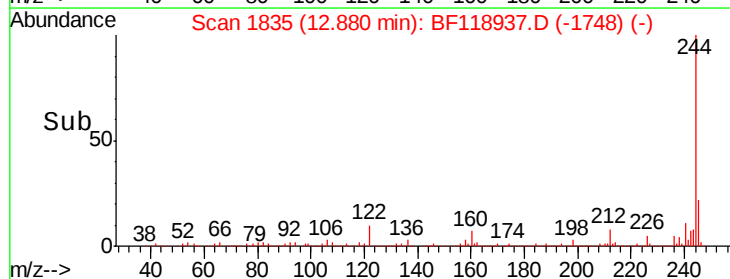
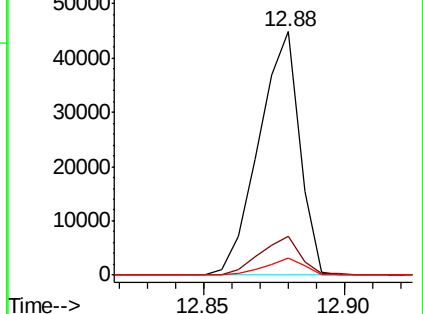
183 7.1 9.7 14.5#

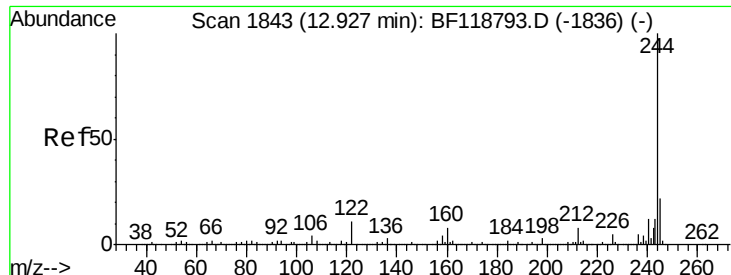


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 107.299 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.05 min

Lab File: BF118937.D

Acq: 14 Feb 2020 17:49

Instrument :

BNA_F

ClientSampleId :

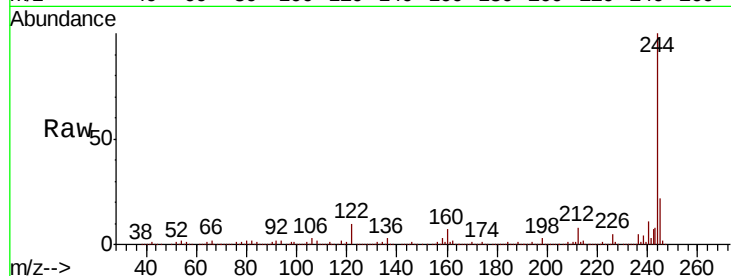
Tot Ion:244 Resp: 3429841

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

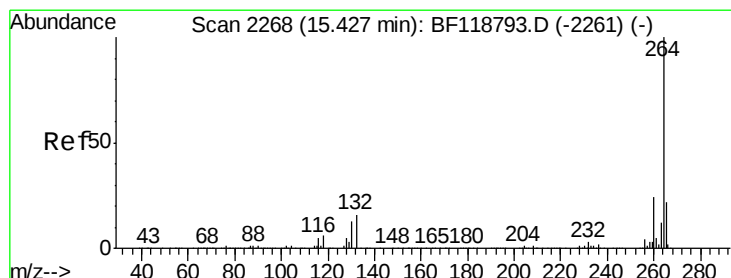
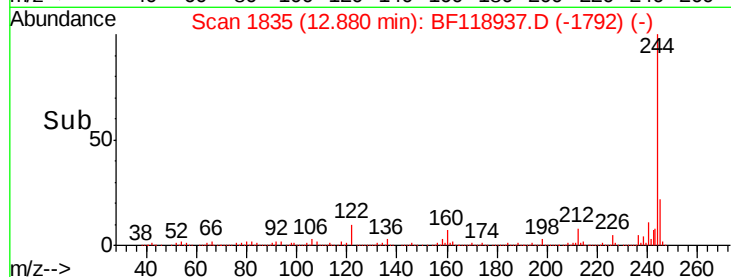
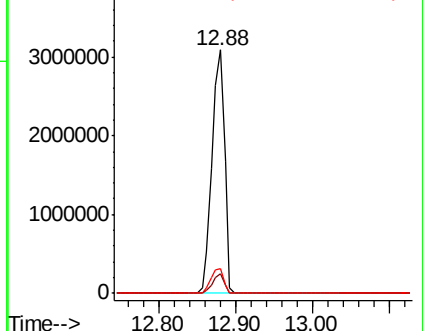
122 10.1 8.9 13.3



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: 20.000 ng

RT: 15.36 min Scan# 2256

Delta R.T. -0.07 min

Lab File: BF118937.D

Acq: 14 Feb 2020 17:49

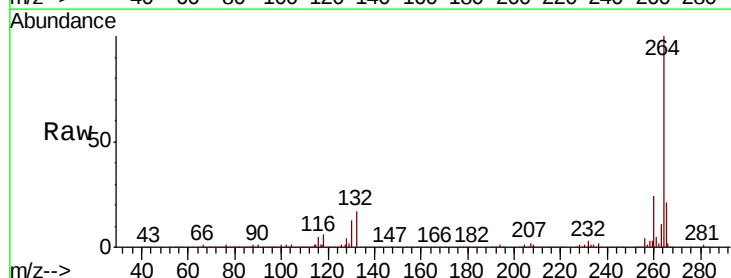
Tgt Ion:264 Resp: 589683

Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

265 21.4 17.2 25.8



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

