

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
 Data File : BF118833.D
 Acq On : 6 Feb 2020 12:22
 Operator : CG/JU
 Sample : PB126588BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 06 17:13:51 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

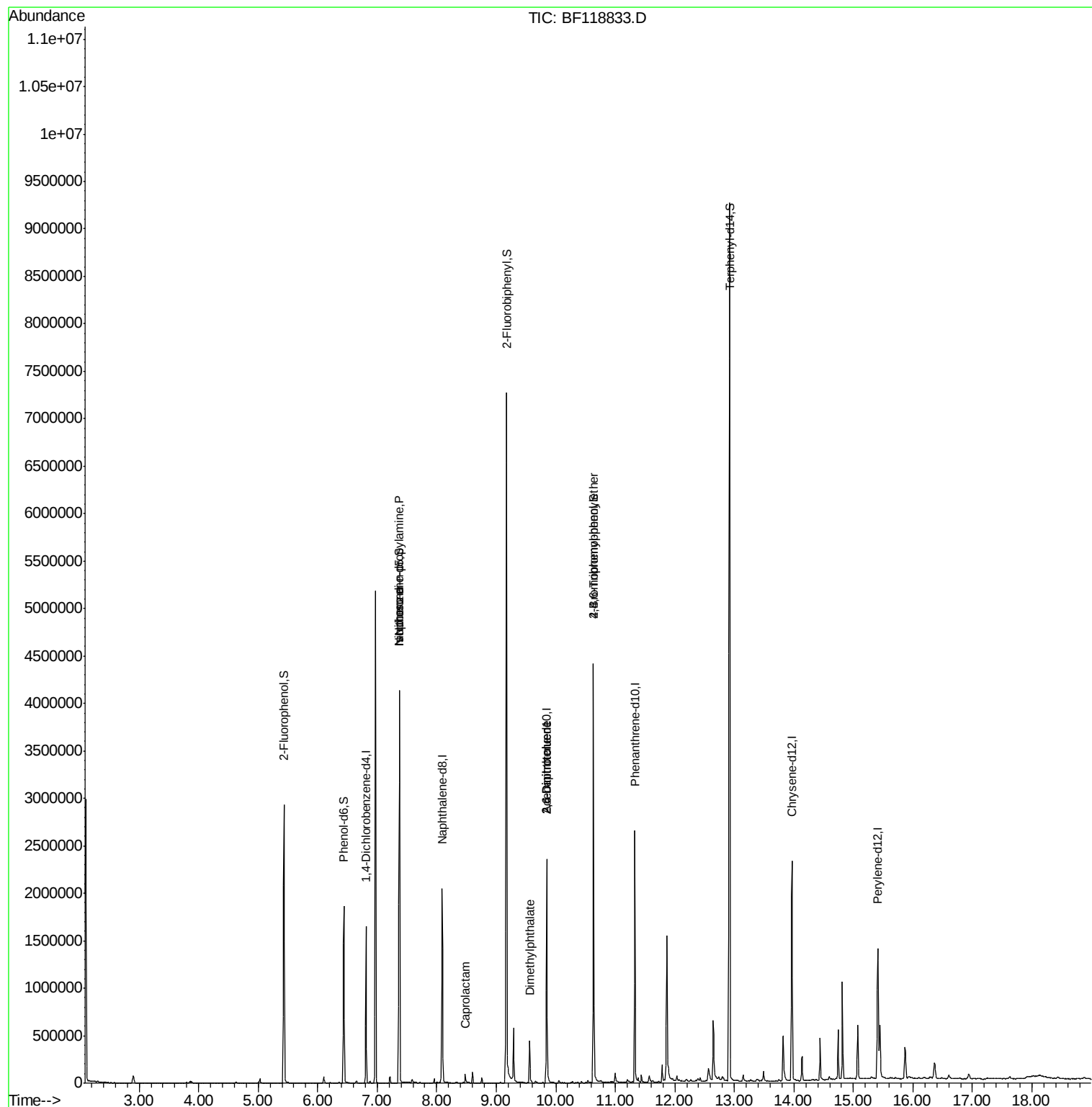
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	262234	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	925108	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	569977	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	1091638	20.00	ng	0.00
76) Chrysene-d12	13.97	240	827815	20.00	ng	-0.01
87) Perylene-d12	15.41	264	768389	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	815205	58.85	ng	0.00
7) Phenol-d6	6.44	99	624499	36.31	ng	-0.01
23) Nitrobenzene-d5	7.37	82	1486894	95.80	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	651567	95.54	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2810073	88.14	ng	0.00
79) Terphenyl-d14	12.92	244	3687511	91.50	ng	0.00
Target Compounds						
9) Benzaldehyde	6.36	77	1893	Below Cal	Qvalue	# 80
19) n-Nitroso-di-n-propylamine	7.37	70	205176	19.500 ng	#	77
25) Isophorone	7.37	82	1486872	53.305 ng	#	63
35) Caprolactam	8.48	113	14828	3.403 ng		97
50) Dimethylphthalate	9.56	163	193261	4.980 ng		97
51) 2,6-Dinitrotoluene	9.85	165	72741	8.191 ng	#	30
57) 2,4-Dinitrotoluene	9.85	165	73176	6.227 ng	#	34
67) 4-Bromophenyl-phenylether	10.63	248	42180	3.266 ng	#	1

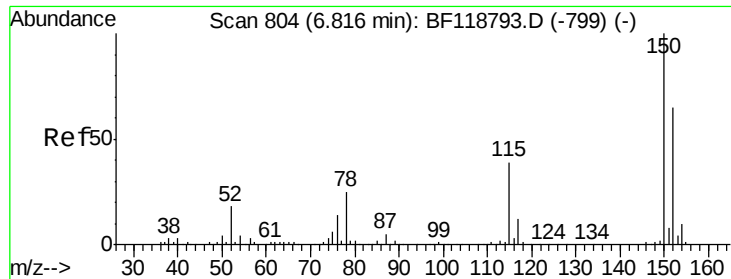
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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



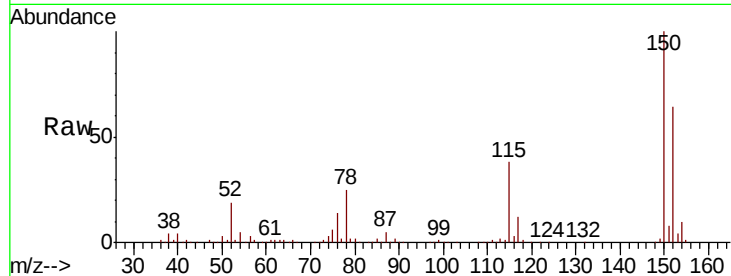


#1

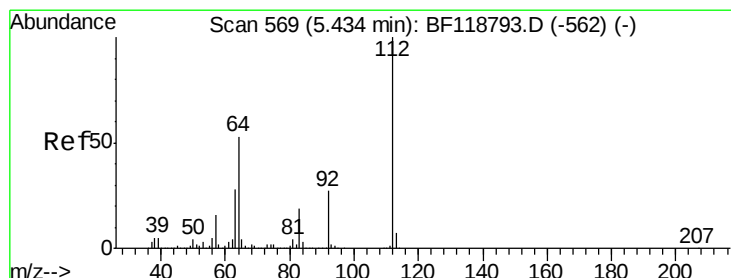
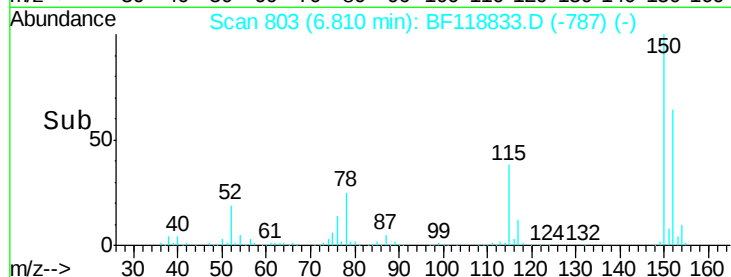
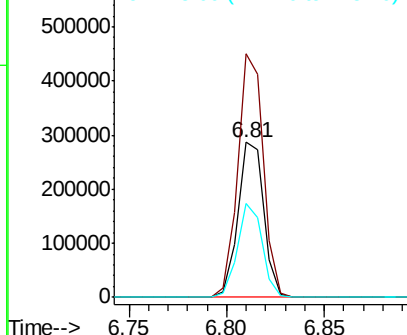
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF118833.D
Acq: 6 Feb 2020 12:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 262234
Ion Ratio Lower Upper
152 100
150 156.9 123.6 185.4
115 60.4 48.2 72.2



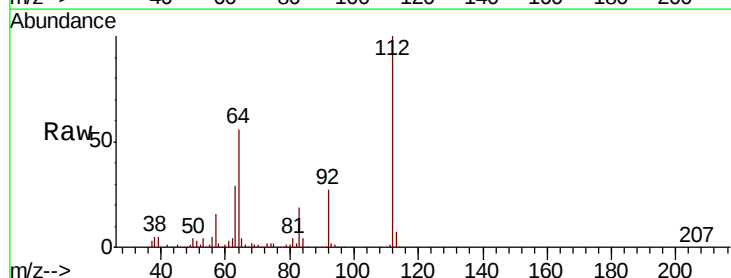
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



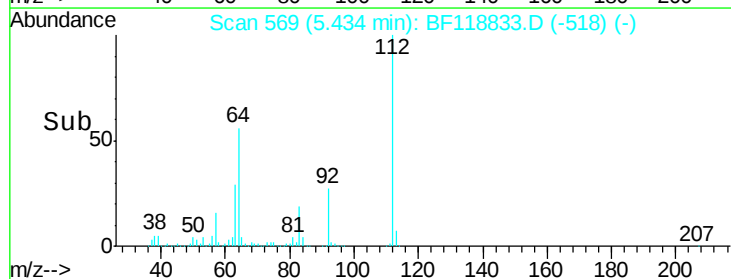
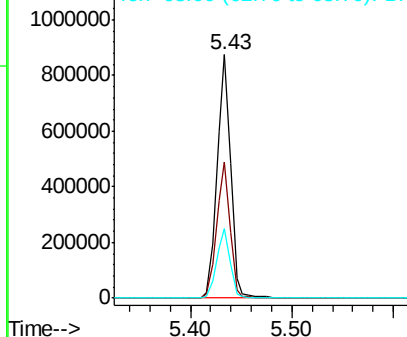
#5

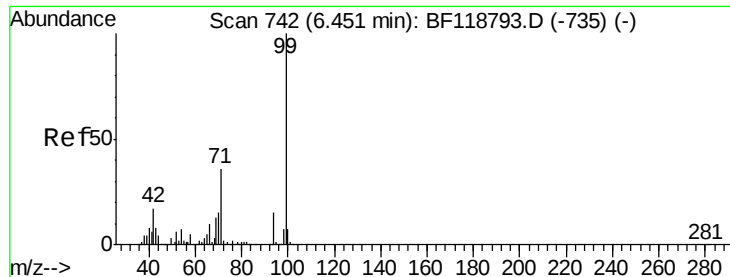
2-Fluorophenol
Concen: 58.845 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF118833.D
Acq: 6 Feb 2020 12:22

Tgt Ion:112 Resp: 815205
Ion Ratio Lower Upper
112 100
64 55.9 42.6 63.8
63 28.8 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: 36.315 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF118833.D

Acq: 6 Feb 2020 12:22

Instrument :

BNA_F

ClientSampleId :

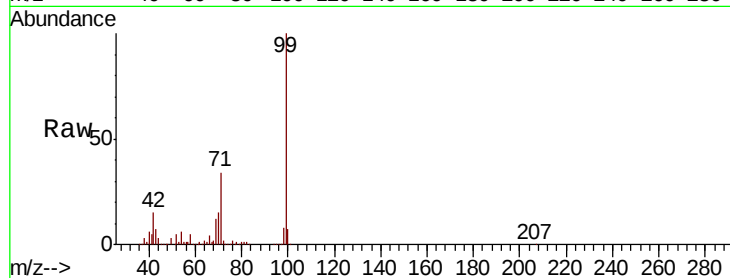
Tot Ion: 99 Resp: 624499

Ion Ratio Lower Upper

99 100

42 15.4 13.4 20.0

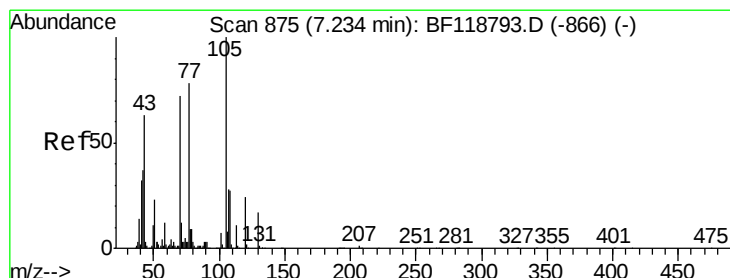
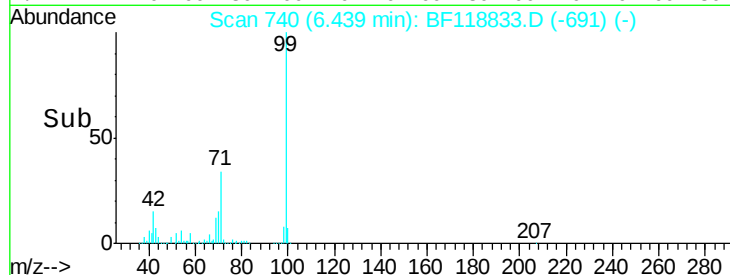
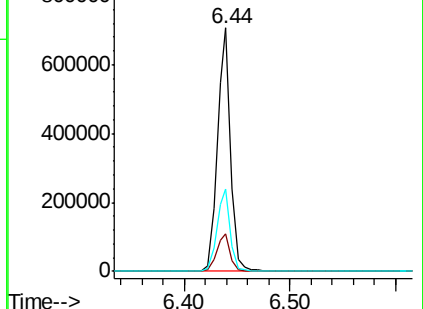
71 33.9 29.0 43.6



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: 19.500 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF118833.D

Acq: 6 Feb 2020 12:22

Tgt Ion: 70 Resp: 205176

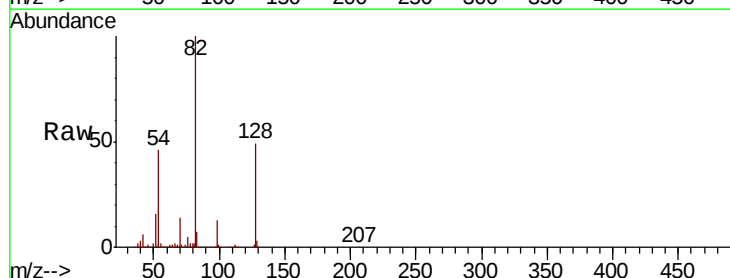
Ion Ratio Lower Upper

70 100

42 43.3 41.5 62.3

101 0.0 8.3 12.5#

130 2.1 19.2 28.8#

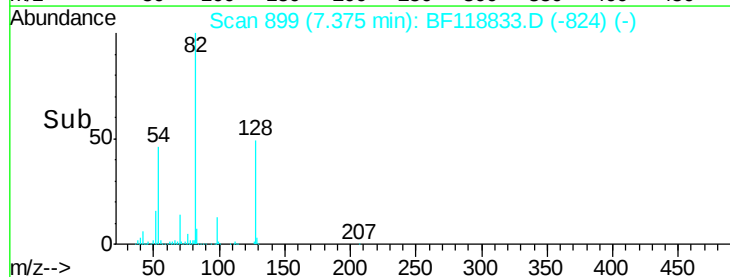
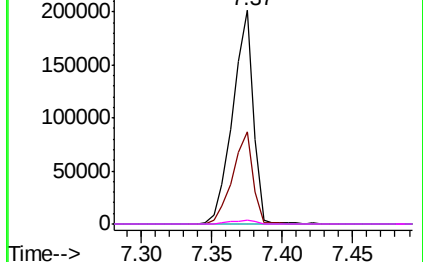


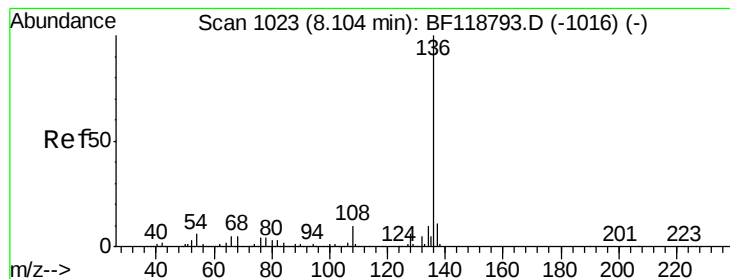
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF118833.D

Acq: 6 Feb 2020 12:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 925108

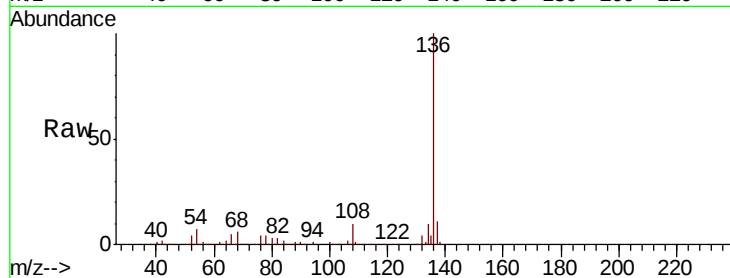
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 6.8 5.0 7.6

68 5.8 4.2 6.4

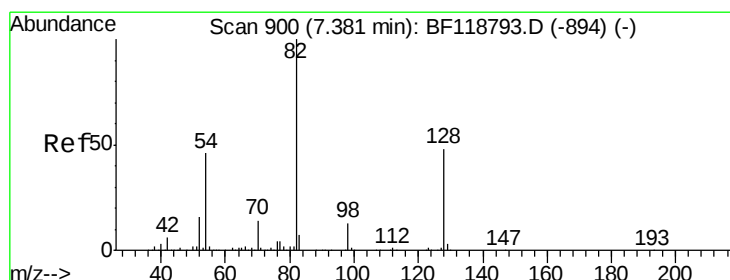
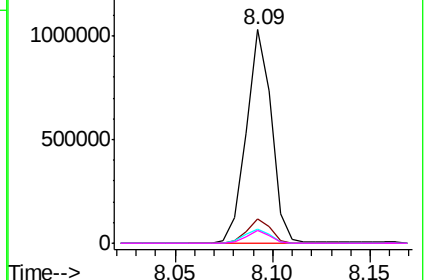
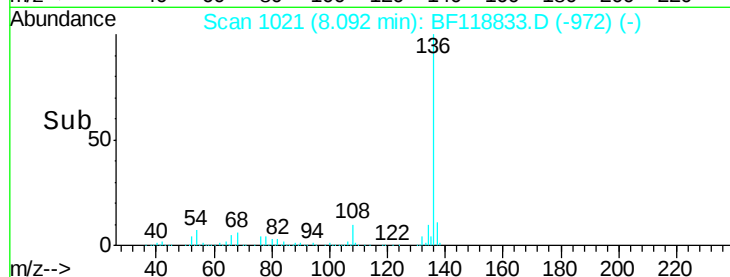


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 95.801 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF118833.D

Acq: 6 Feb 2020 12:22

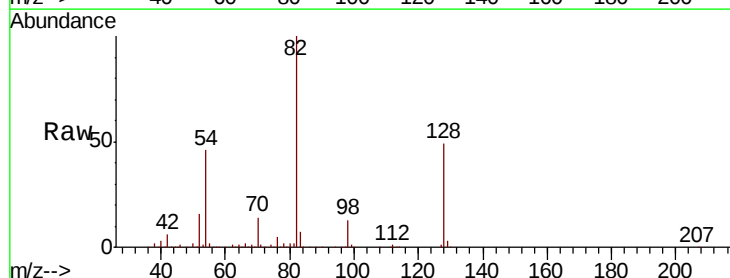
Tgt Ion: 82 Resp: 1486894

Ion Ratio Lower Upper

82 100

128 48.8 38.5 57.7

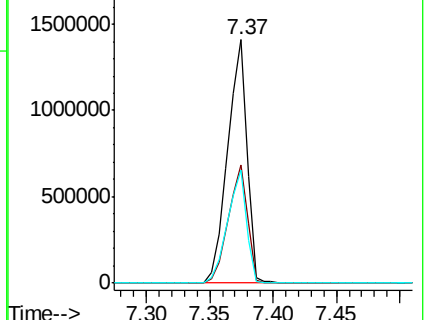
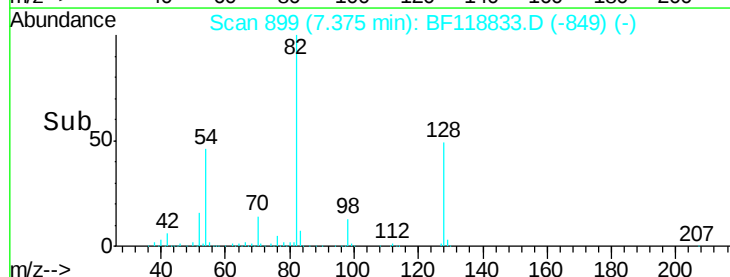
54 46.5 36.7 55.1

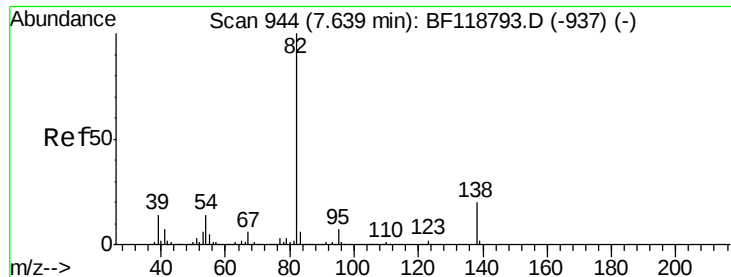


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 53.305 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF118833.D

Acq: 6 Feb 2020 12:22

Instrument :

BNA_F

ClientSampleId :

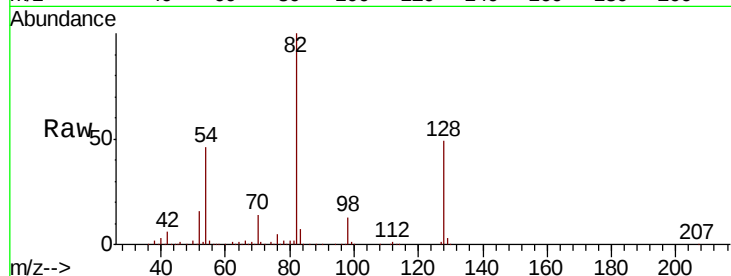
Tot Ion: 82 Resp: 1486872

Ion Ratio Lower Upper

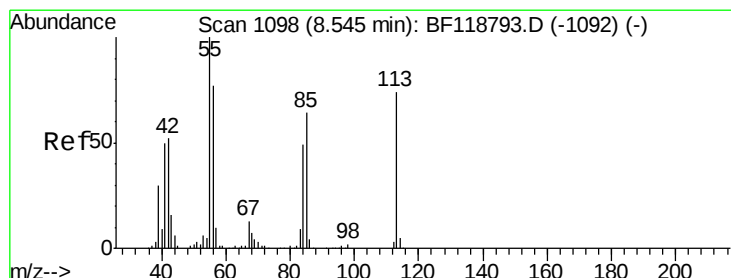
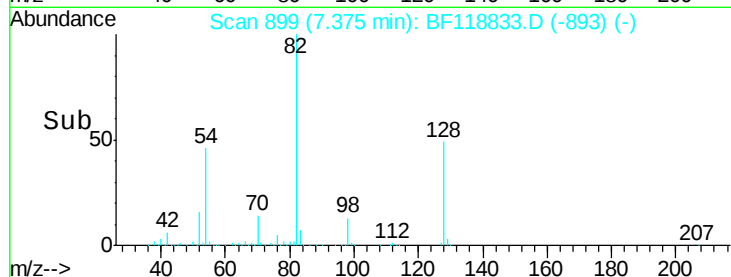
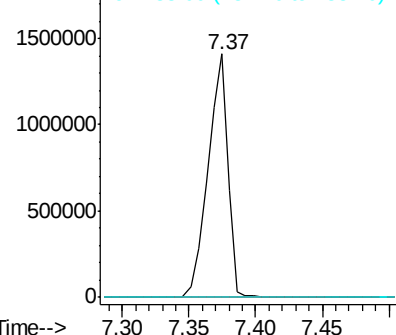
82 100

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



#35

Caprolactam

Concen: 3.403 ng

RT: 8.48 min Scan# 1087

Delta R.T. -0.06 min

Lab File: BF118833.D

Acq: 6 Feb 2020 12:22

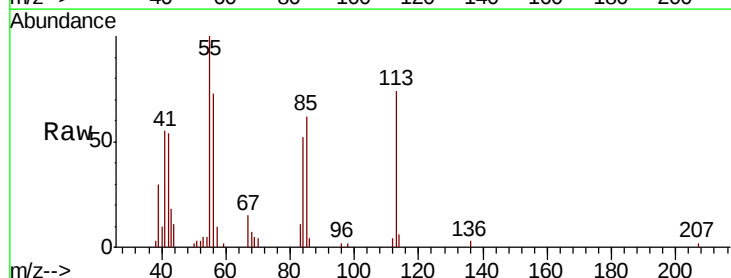
Tgt Ion: 113 Resp: 14828

Ion Ratio Lower Upper

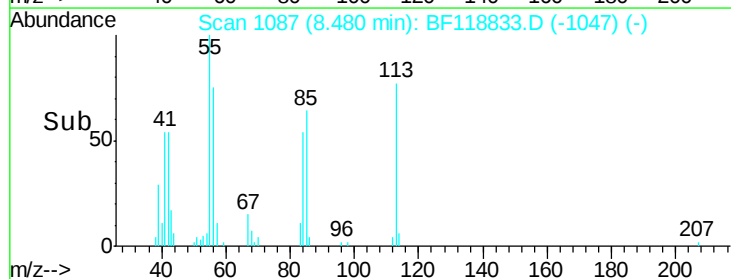
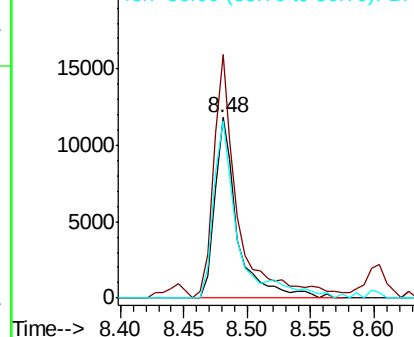
113 100

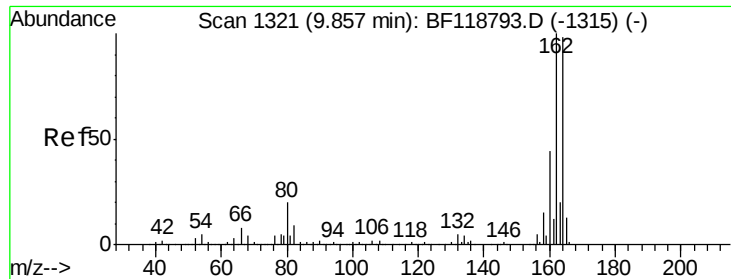
55 134.8 115.5 155.5

56 98.3 83.7 123.7



Abundance Ion 113.00 (112.70 to 113.70): BF1
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

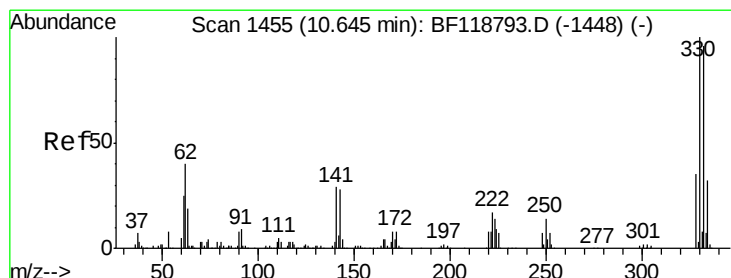
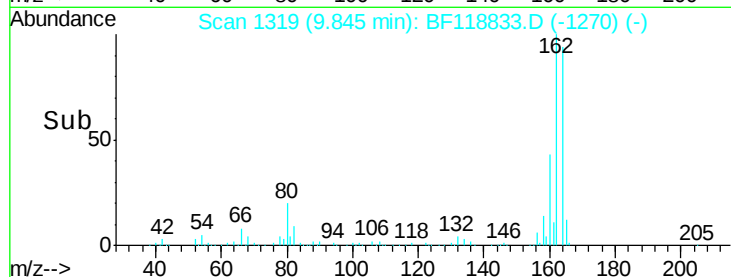
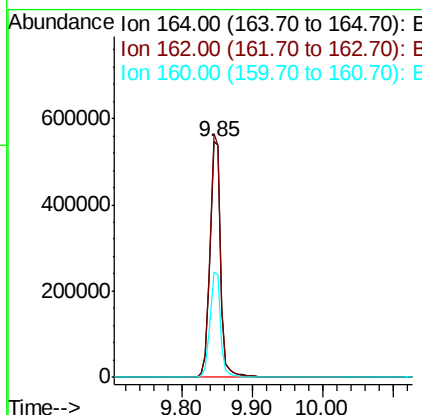
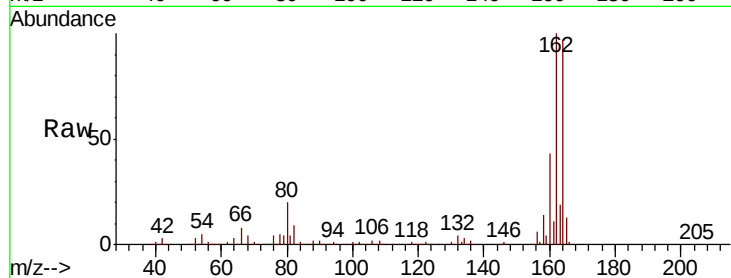




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF118833.D
 Acq: 6 Feb 2020 12:22

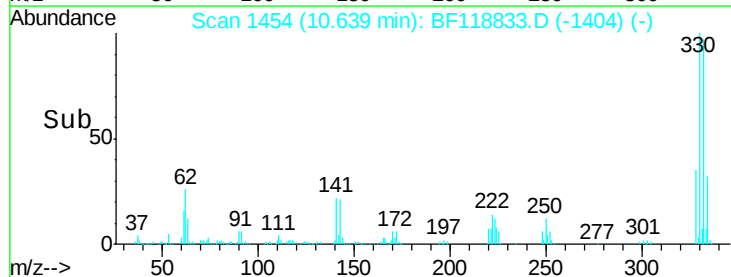
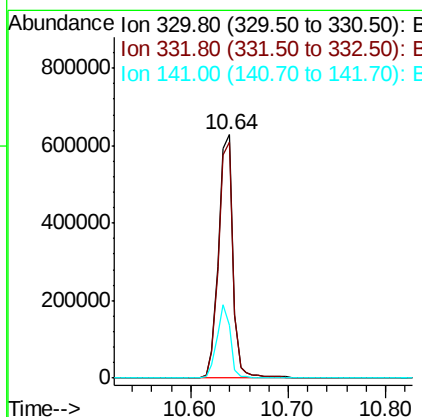
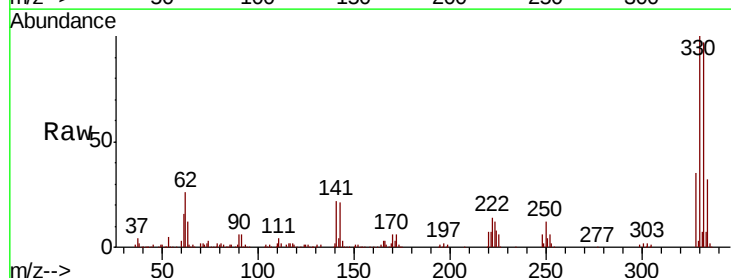
Instrument :
 BNA_F
 ClientSampleId :

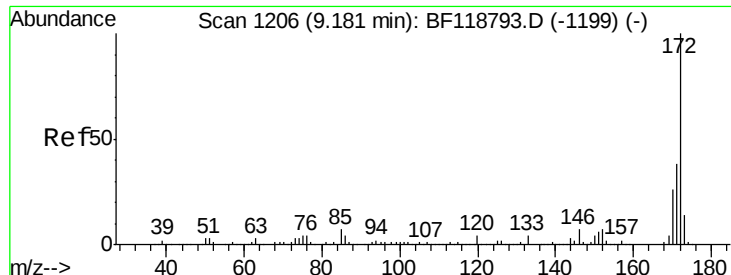
Tot Ion:164 Resp: 569977
 Ion Ratio Lower Upper
 164 100
 162 103.4 81.4 122.2
 160 44.8 35.6 53.4



#42
 2,4,6-Tribromophenol
 Concen: 95.539 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF118833.D
 Acq: 6 Feb 2020 12:22

Tgt Ion:330 Resp: 651567
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.3 115.9
 141 28.2 22.4 33.6

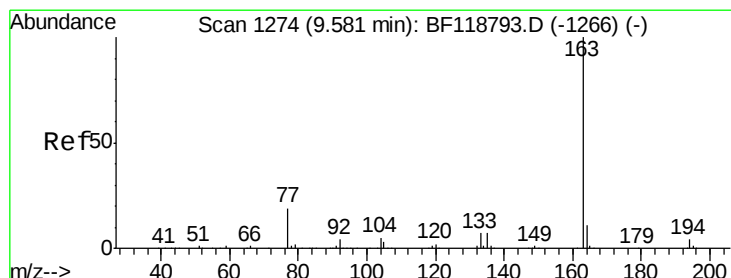
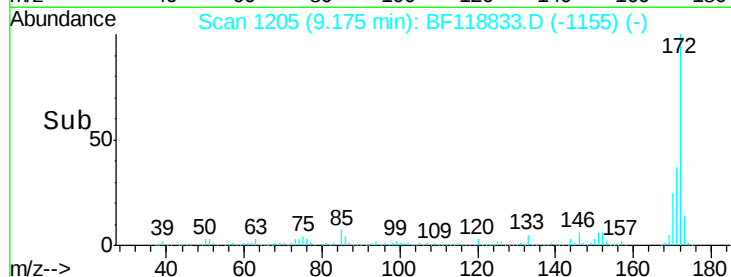
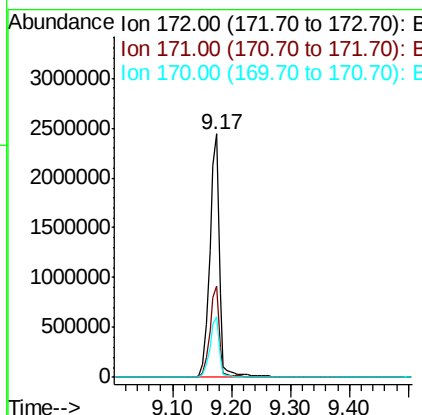
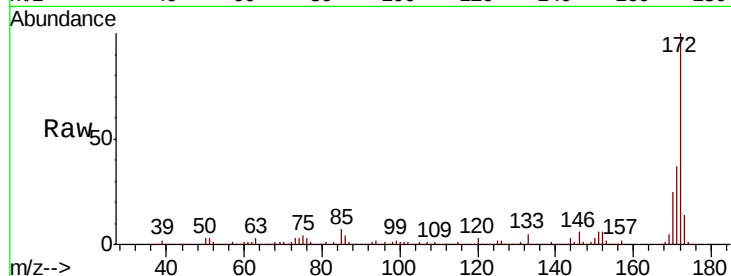




#45
2-Fluorobiphenyl
Concen: 88.136 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF118833.D
Acq: 6 Feb 2020 12:22

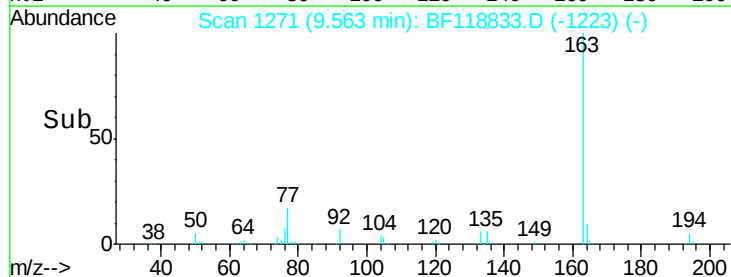
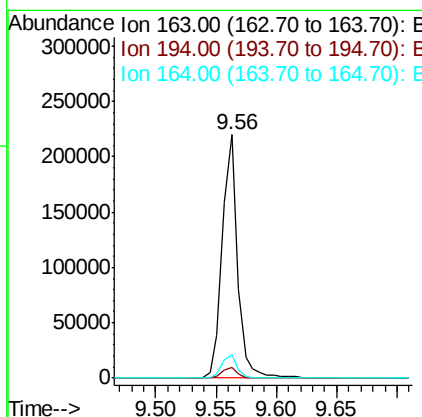
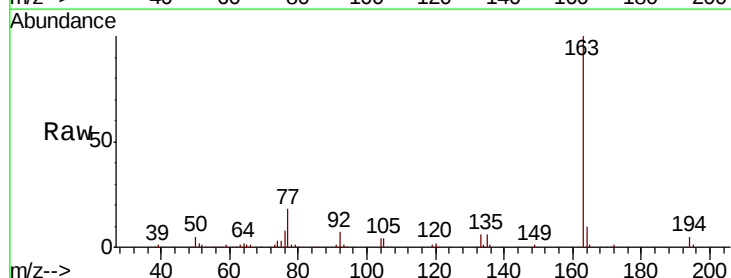
Instrument :
BNA_F
ClientSampled :

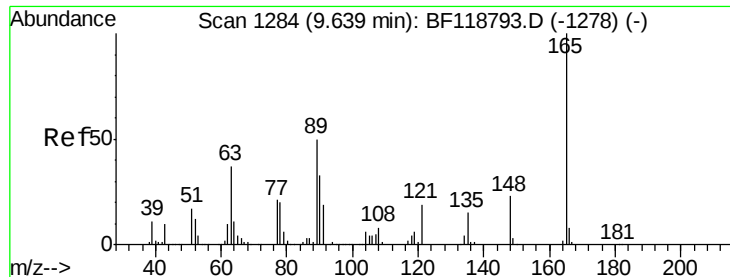
Tot Ion:172 Resp: 2810073
Ion Ratio Lower Upper
172 100
171 37.4 30.8 46.2
170 25.0 20.5 30.7



#50
Dimethylphthalate
Concen: 4.980 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF118833.D
Acq: 6 Feb 2020 12:22

Tgt Ion:163 Resp: 193261
Ion Ratio Lower Upper
163 100
194 4.6 3.6 5.4
164 9.5 8.7 13.1

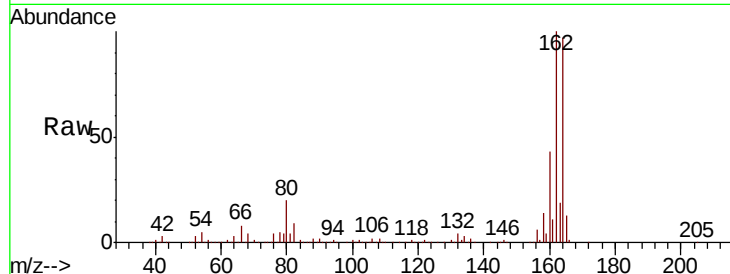




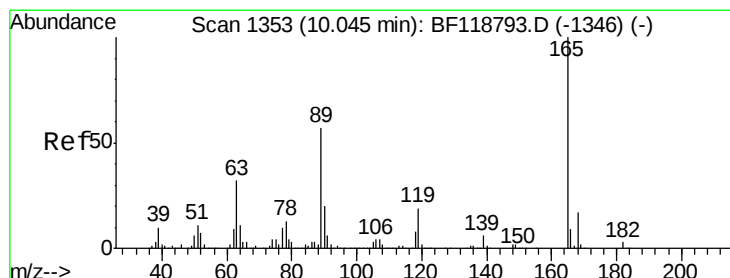
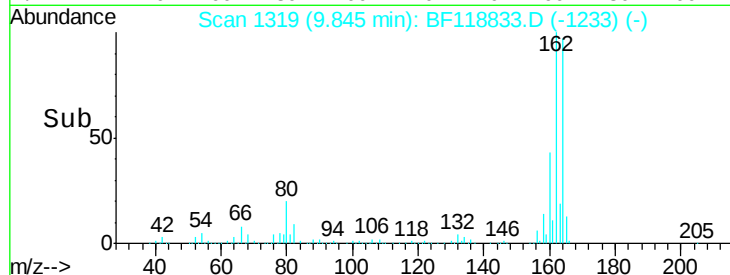
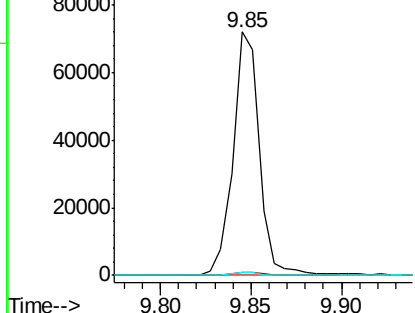
#51
 2,6-Dinitrotoluene
 Concen: 8.191 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF118833.D
 Acq: 6 Feb 2020 12:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	37.4	56.0#
89	1.0	39.7	59.5#



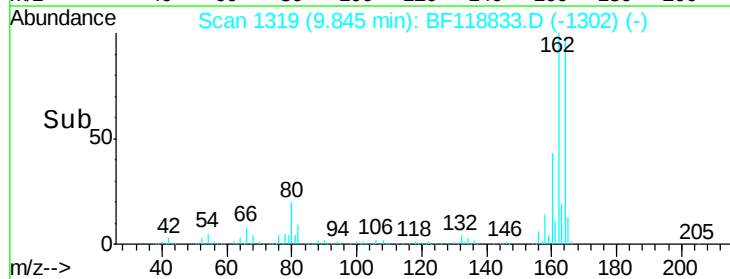
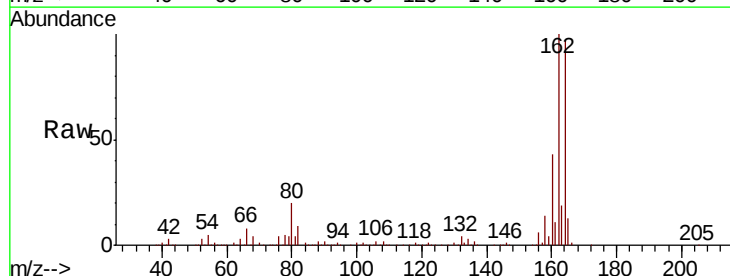
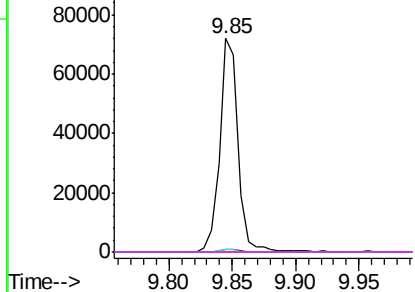
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

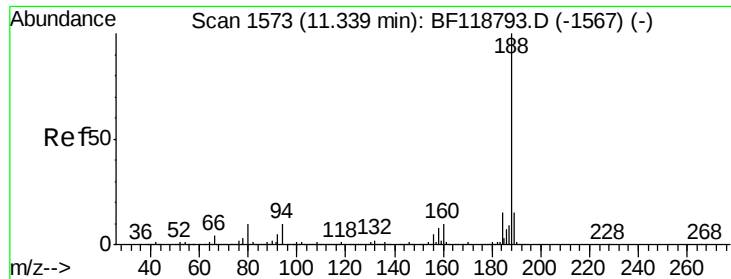


#57
 2,4-Dinitrotoluene
 Concen: 6.227 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF118833.D
 Acq: 6 Feb 2020 12:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.5	38.3#
89	1.0	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: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF118833.D

Acq: 6 Feb 2020 12:22

Instrument :

BNA_F

ClientSampled :

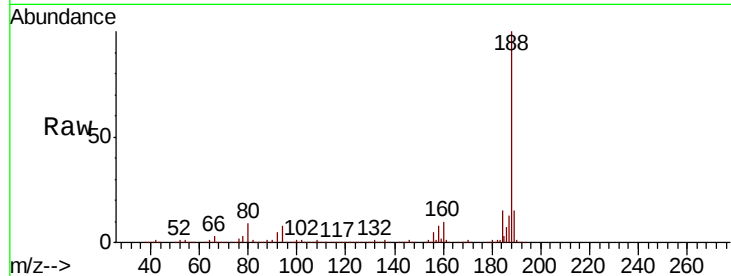
Tot Ion:188 Resp: 1091638

Ion Ratio Lower Upper

188 100

94 8.3 7.9 11.9

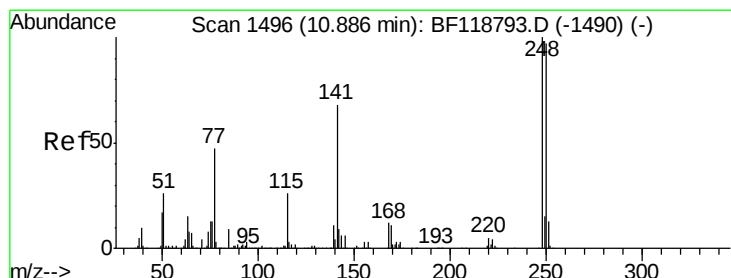
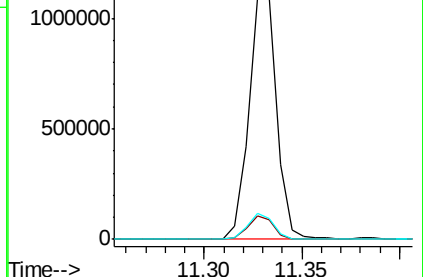
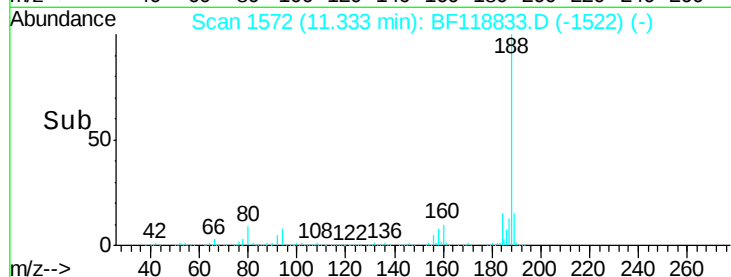
80 8.7 8.4 12.6



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: 3.266 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.25 min

Lab File: BF118833.D

Acq: 6 Feb 2020 12:22

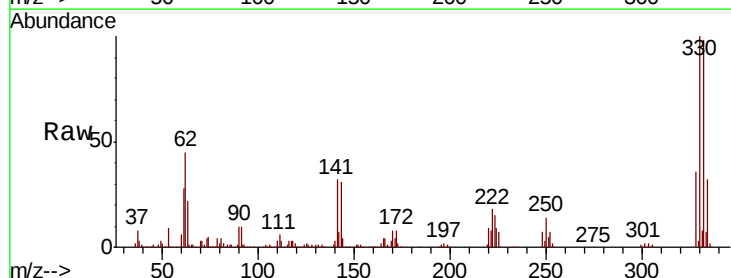
Tgt Ion:248 Resp: 42180

Ion Ratio Lower Upper

248 100

250 202.2 77.6 116.4#

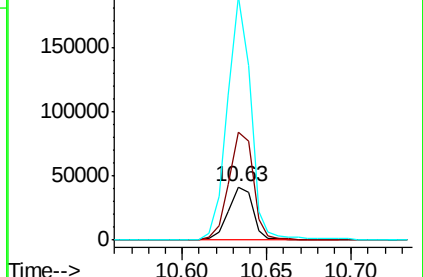
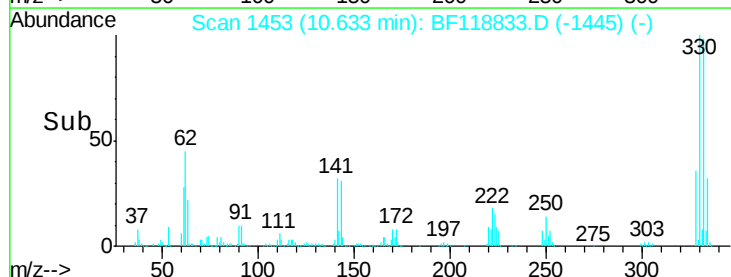
141 455.2 54.4 81.6#

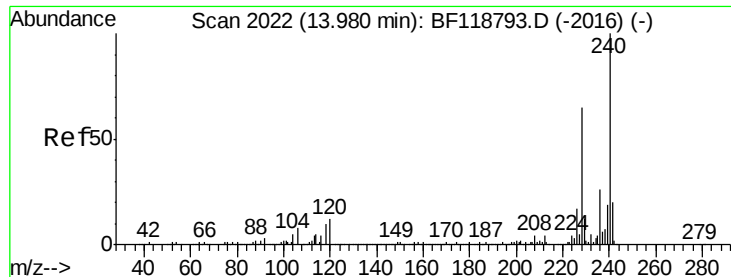


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF118833.D

Acq: 6 Feb 2020 12:22

Instrument :

BNA_F

ClientSampled :

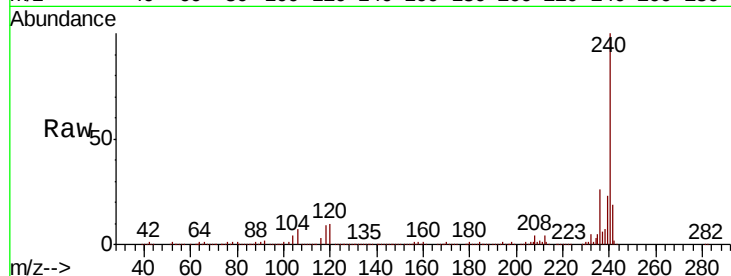
Tot Ion:240 Resp: 827815

Ion Ratio Lower Upper

240 100

120 9.8 9.4 14.0

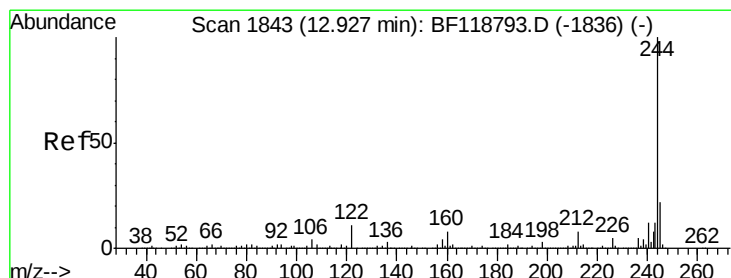
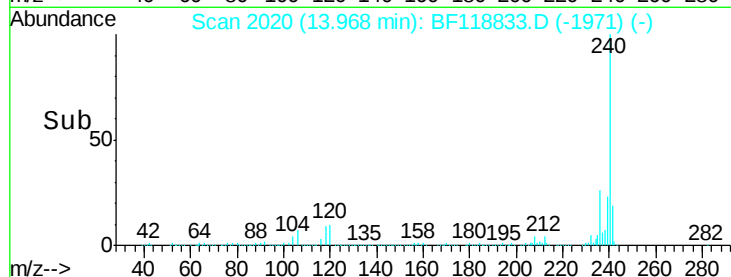
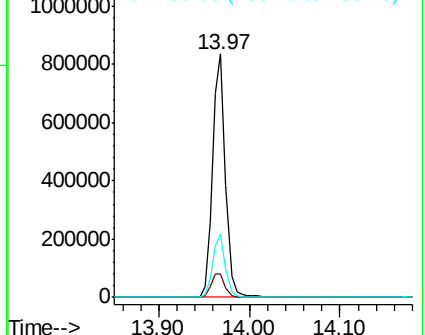
236 26.1 21.0 31.6



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



#79

Terphenyl-d14

Concen: 91.498 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF118833.D

Acq: 6 Feb 2020 12:22

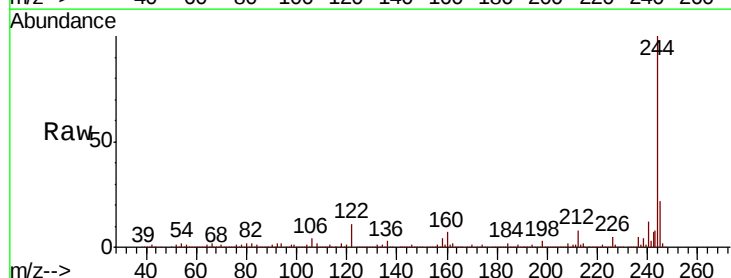
Tgt Ion:244 Resp: 3687511

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

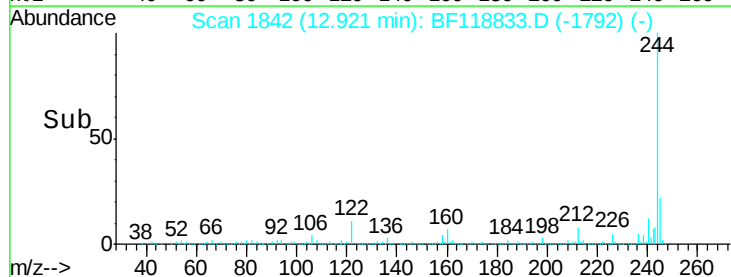
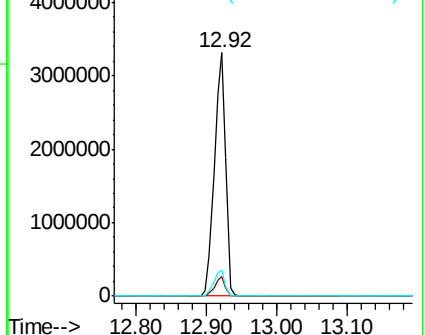
122 10.6 8.9 13.3

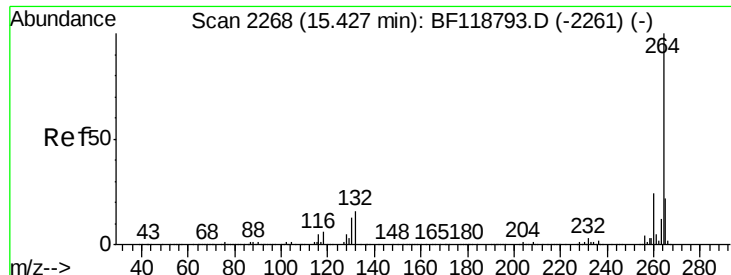


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

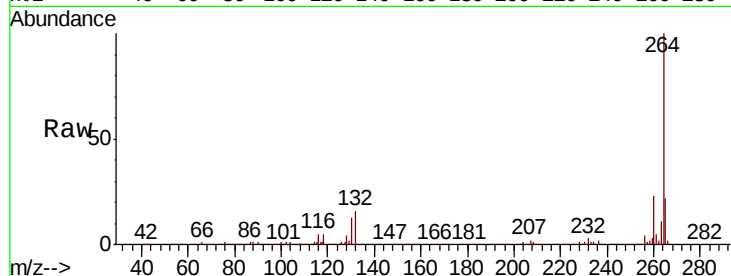




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BF118833.D
Acq: 6 Feb 2020 12:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	22.0	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

