

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
 Data File : BF117153.D
 Acq On : 18 Sep 2019 19:07
 Operator : HP/JU
 Sample : K4668-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:15:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

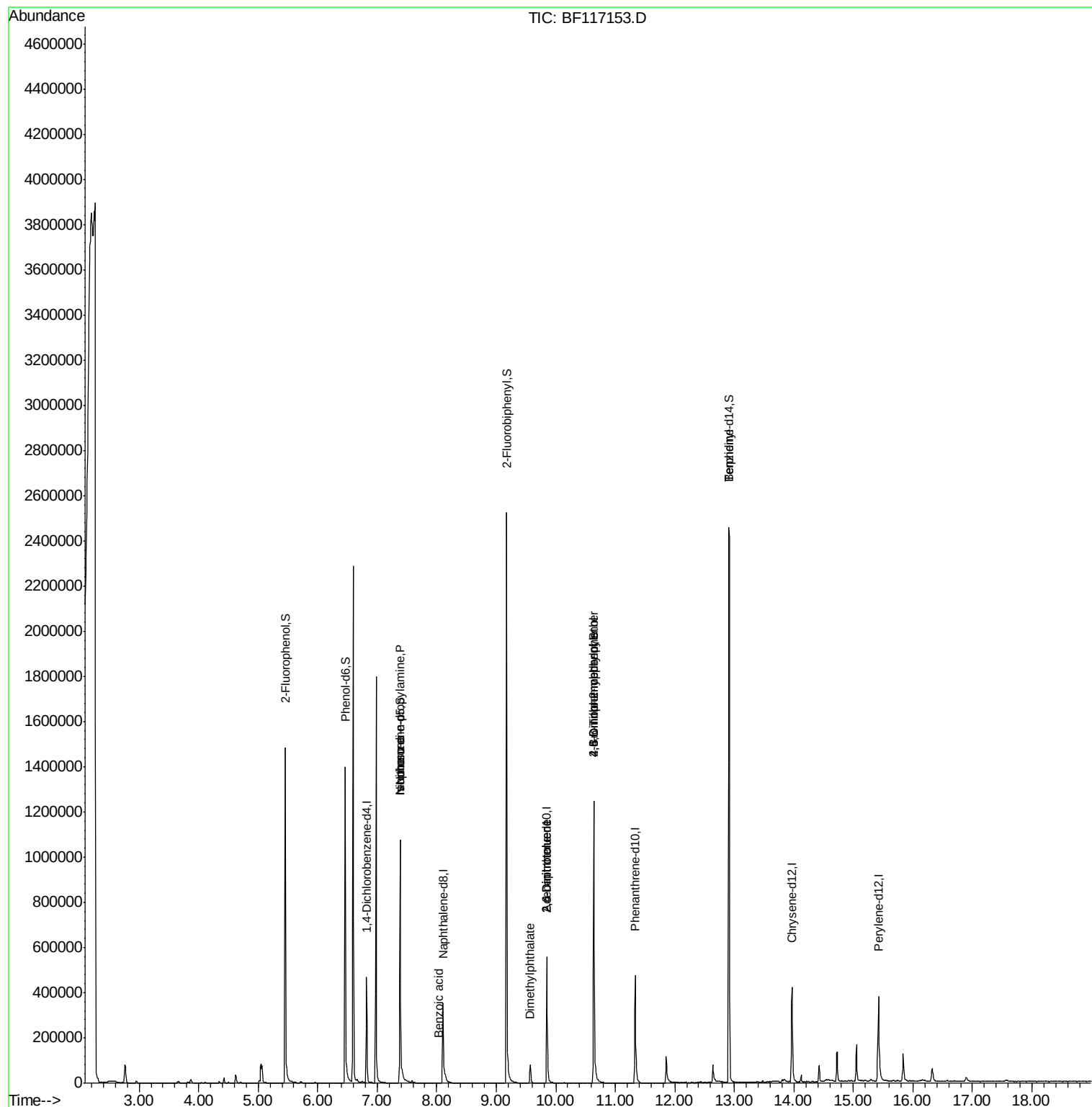
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	67252	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	269821	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	140330	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	236844	20.00	ng	0.00
76) Chrysene-d12	13.97	240	187970	20.00	ng	0.00
87) Perylene-d12	15.42	264	169876	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	496487	115.26	ng	0.02
7) Phenol-d6	6.46	99	585918	105.25	ng	0.00
23) Nitrobenzene-d5	7.39	82	486473	94.73	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	178353	152.07	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	869761	96.91	ng	0.00
79) Terphenyl-d14	12.92	244	906658	90.16	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	866	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.39	70	64424	19.005	ng	# 78
25) Isophorone	7.39	82	486471	53.503	ng	# 66
32) Benzoic acid	8.03	122	480	6.753	ng	# 72
50) Dimethylphthalate	9.57	163	52775	5.311	ng	97
51) 2,6-Dinitrotoluene	9.85	165	17555	8.675	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	17555	6.683	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.64	198	282	7.126	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	11078	4.580	ng	# 1
77) Benzidine	12.91	184	12783	2.111	ng	94

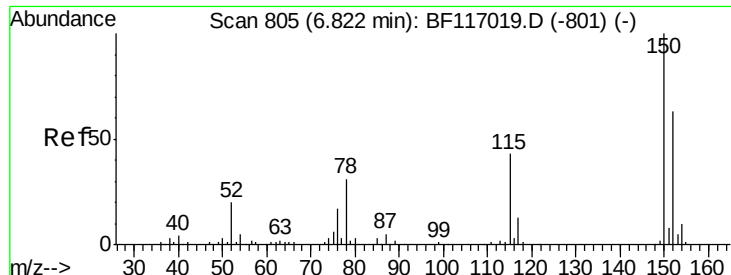
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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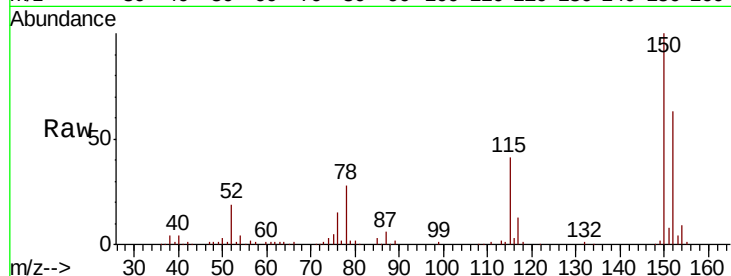


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117153.D
Acq: 18 Sep 2019 19:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	127.5	191.3
115	64.5	55.0	82.4

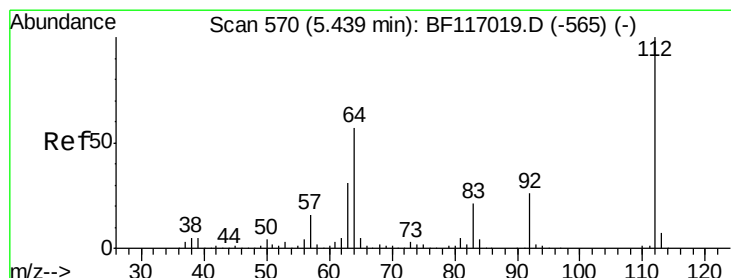
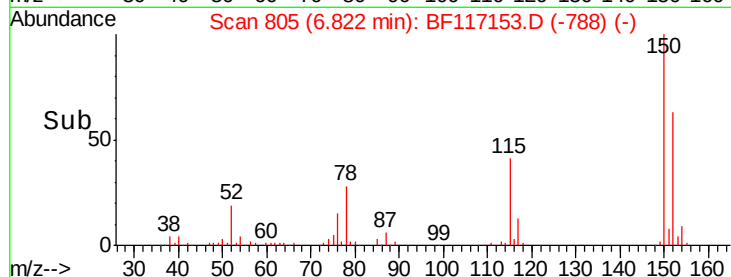
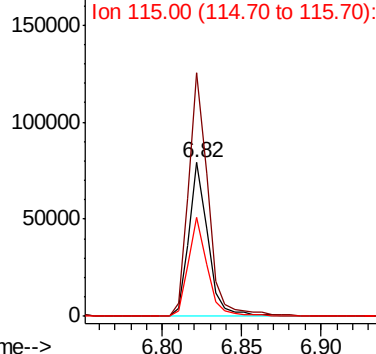


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

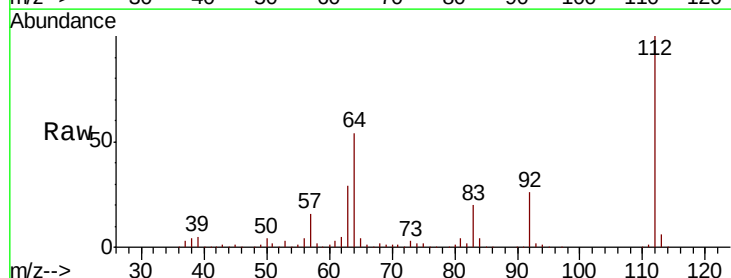
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 115.259 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117153.D
Acq: 18 Sep 2019 19:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	45.7	68.5
63	28.6	24.9	37.3

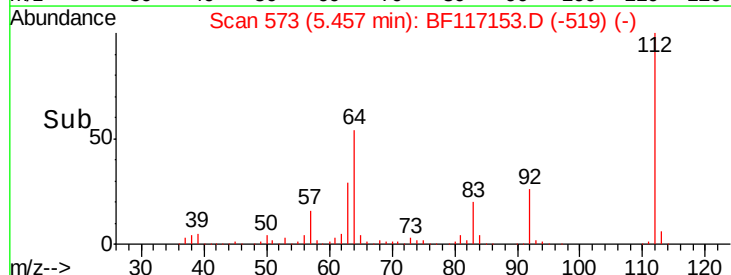
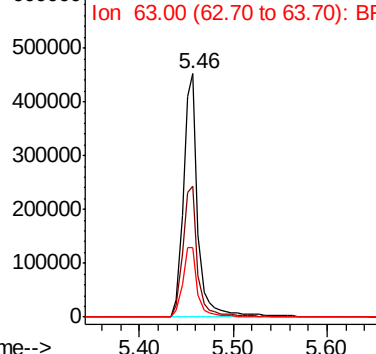


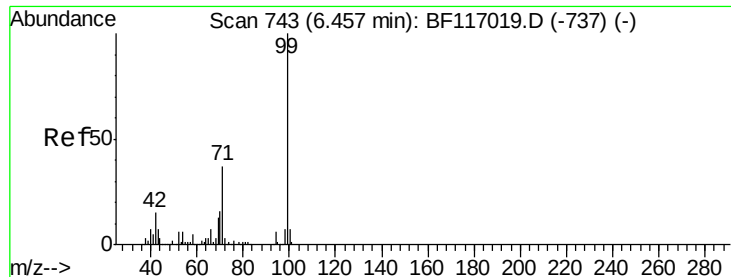
Abundance

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: 105.249 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117153.D

Acq: 18 Sep 2019 19:07

Instrument :

BNA_F

ClientSampleId :

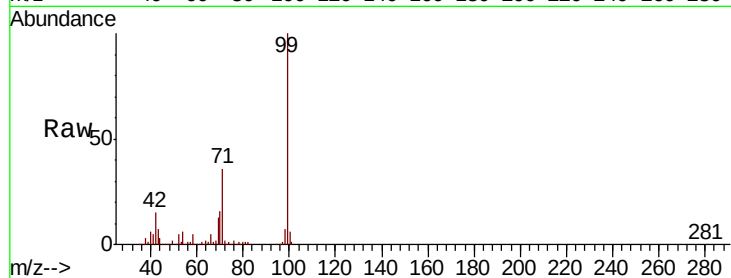
Tot Ion: 99 Resp: 585918

Ion Ratio Lower Upper

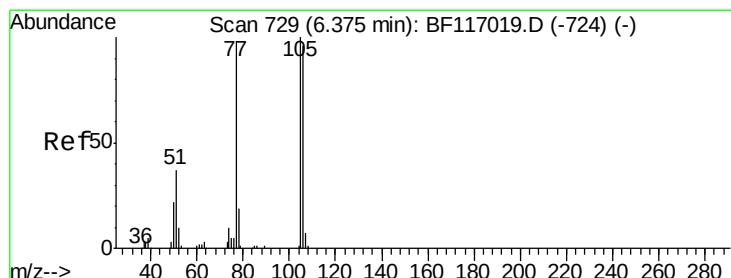
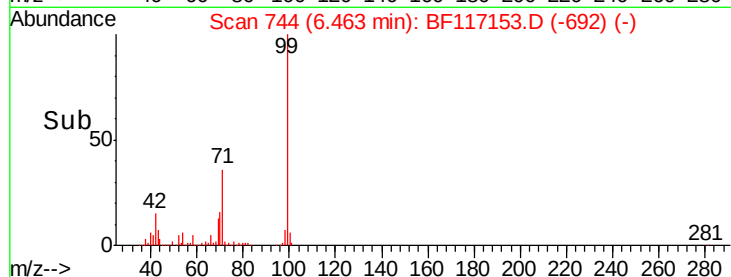
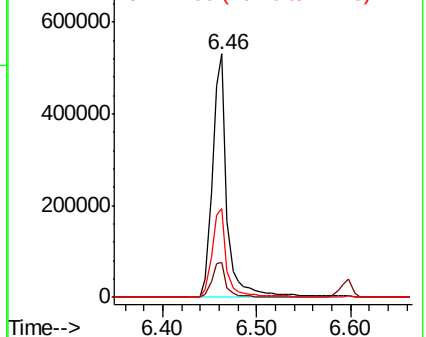
99 100

42 14.5 12.2 18.2

71 36.2 29.8 44.8



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: Below Cal

RT: 6.46 min Scan# 744

Delta R.T. 0.09 min

Lab File: BF117153.D

Acq: 18 Sep 2019 19:07

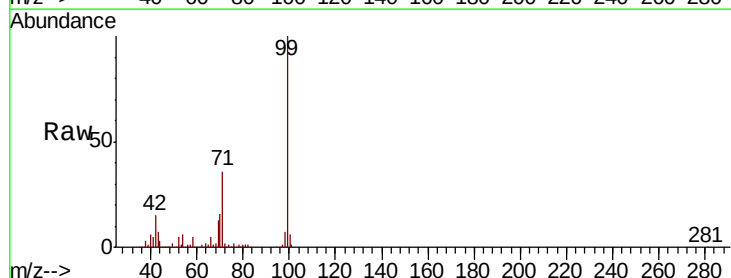
Tgt Ion: 77 Resp: 866

Ion Ratio Lower Upper

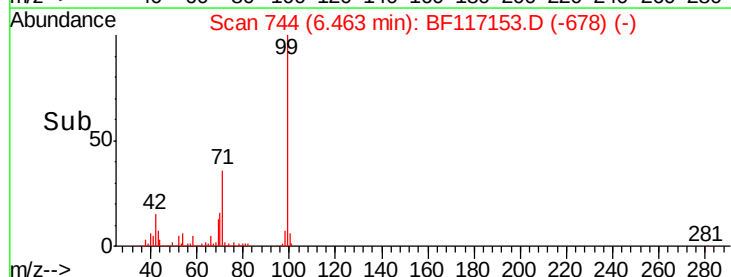
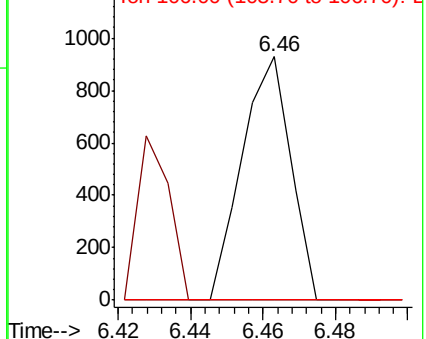
77 100

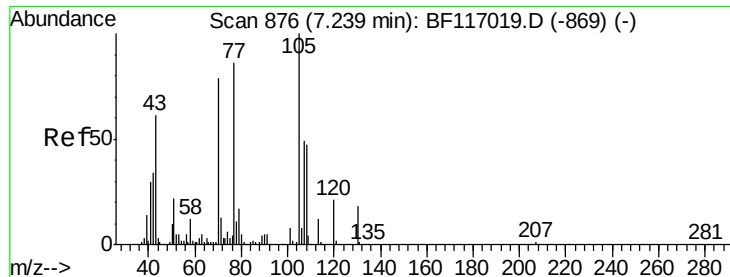
105 0.0 81.8 121.8#

106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

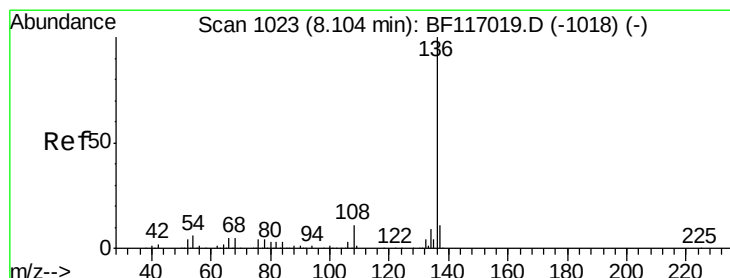
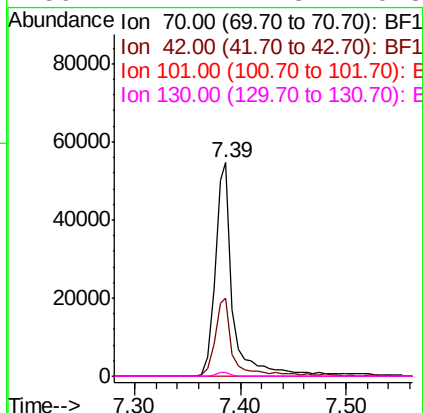
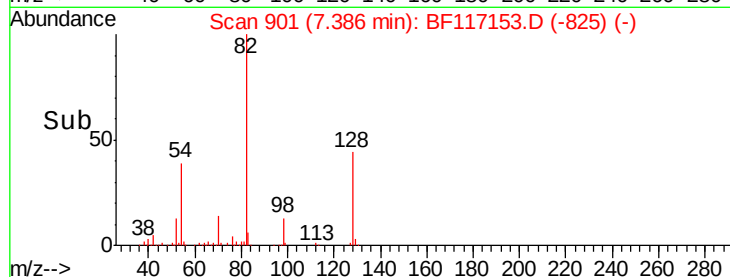
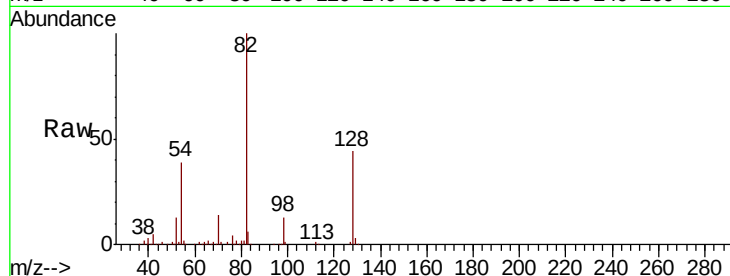




#19
n-Nitroso-di-n-propylamine
Concen: 19.005 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117153.D
Acq: 18 Sep 2019 19:07

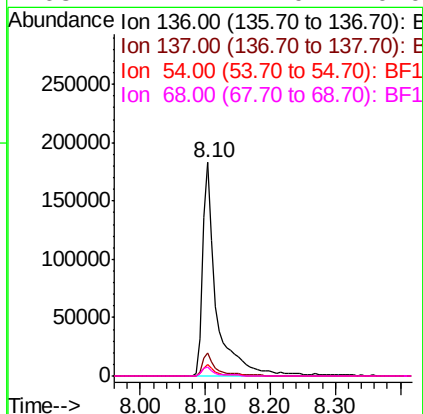
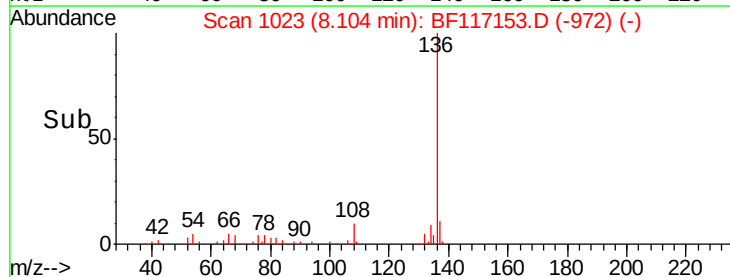
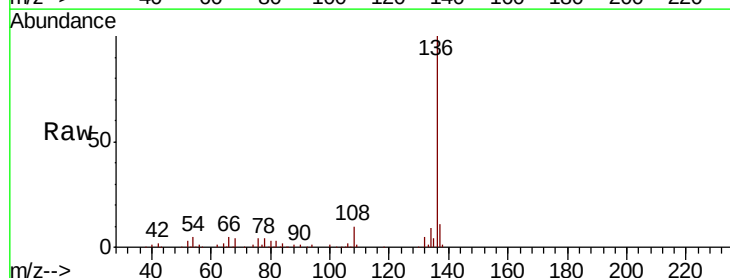
Instrument :
BNA_F
ClientSampleId :

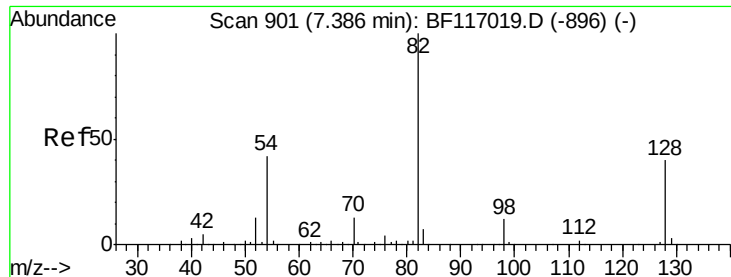
Tot Ion: 70 Resp: 64424
Ion Ratio Lower Upper
70 100
42 36.3 34.0 51.0
101 0.0 7.8 11.6#
130 2.1 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117153.D
Acq: 18 Sep 2019 19:07

Tgt Ion: 136 Resp: 269821
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 5.3 4.5 6.7
68 4.4 4.0 6.0

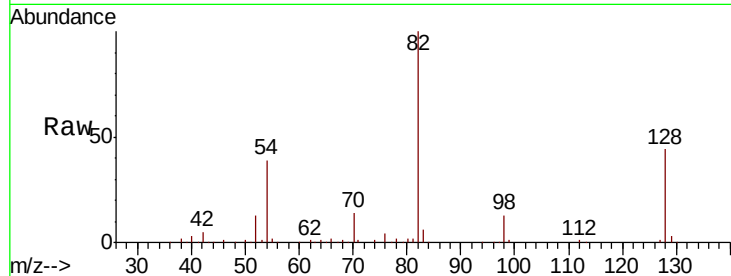




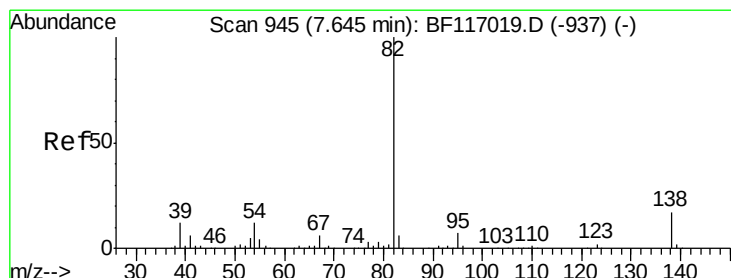
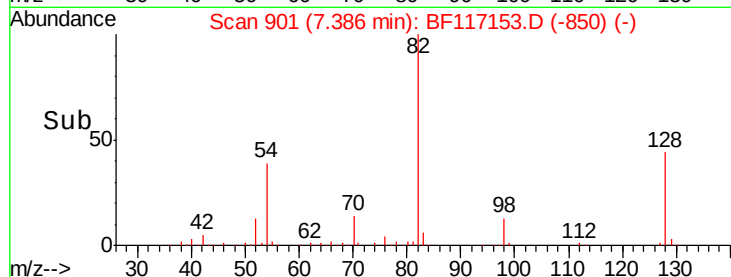
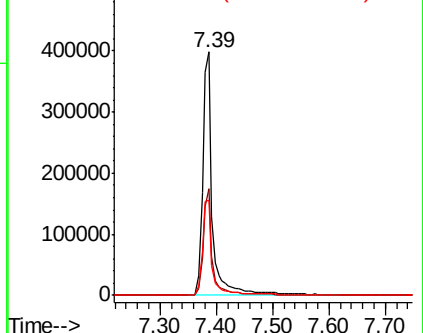
#23
 Nitrobenzene-d5
 Concen: 94.731 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117153.D
 Acq: 18 Sep 2019 19:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	486473
Ion Ratio	Lower	Upper	
82	100		
128	43.7	32.3	48.5
54	39.1	33.3	49.9

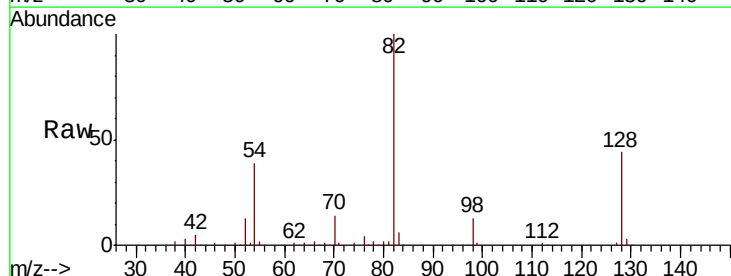


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

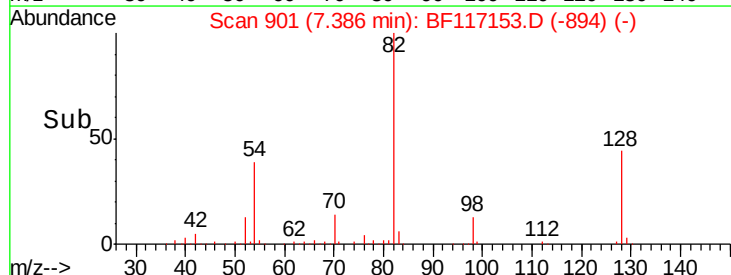
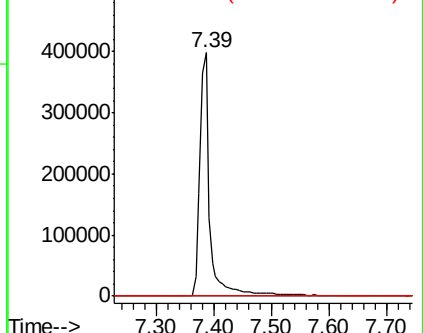


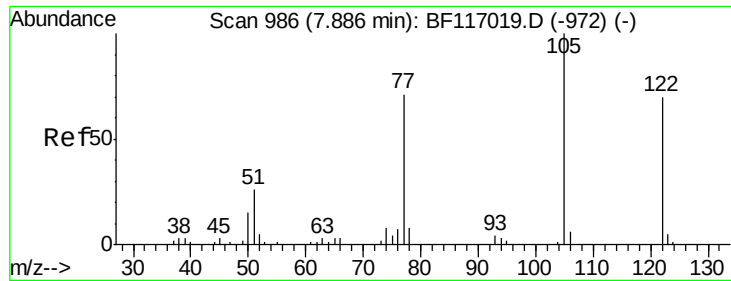
#25
 Isophorone
 Concen: 53.503 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.26 min
 Lab File: BF117153.D
 Acq: 18 Sep 2019 19:07

Tgt Ion	82	Resp	486471
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#



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

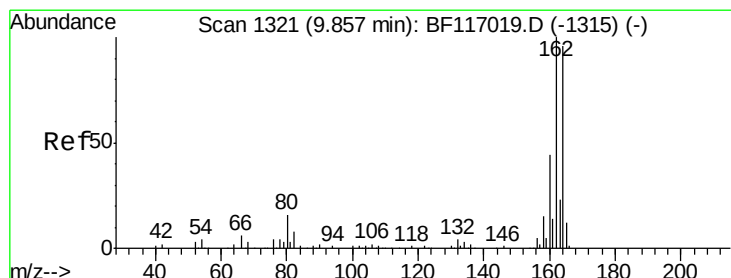
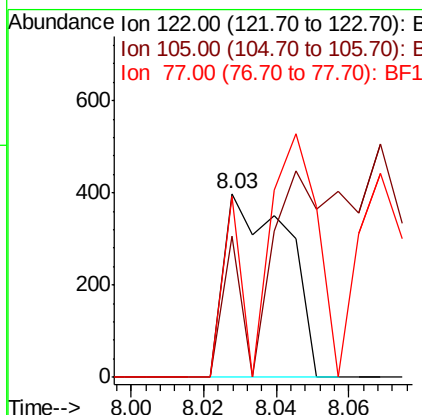
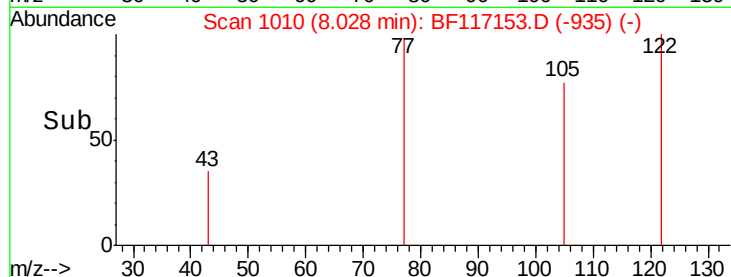
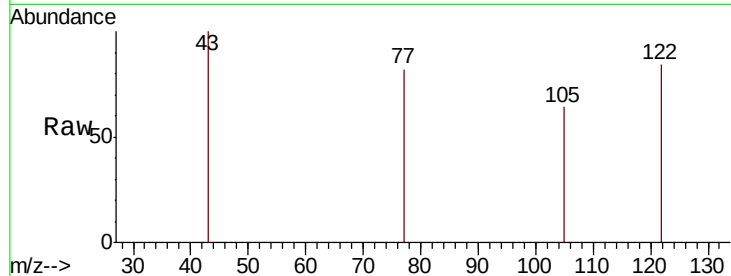




#32
Benzoic acid
Concen: 6.753 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.14 min
Lab File: BF117153.D
Acq: 18 Sep 2019 19:07

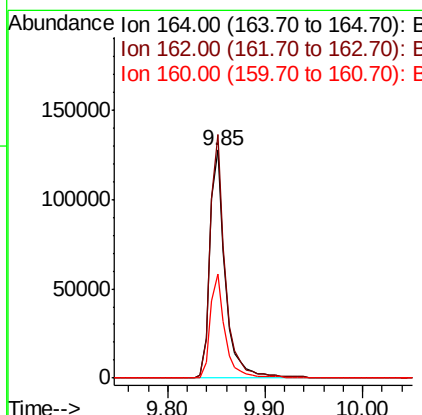
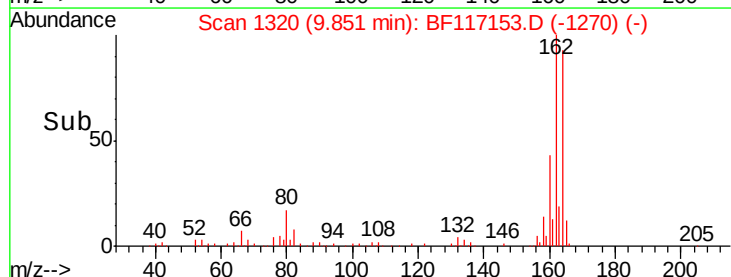
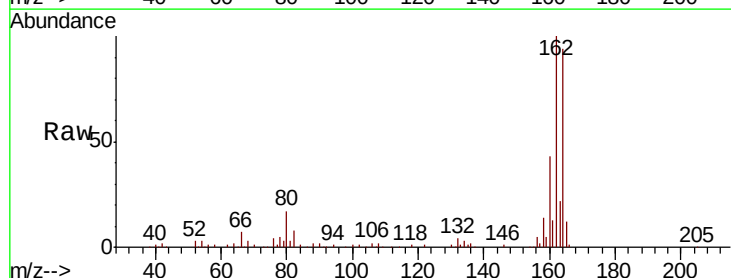
Instrument :
BNA_F
ClientSampleId :

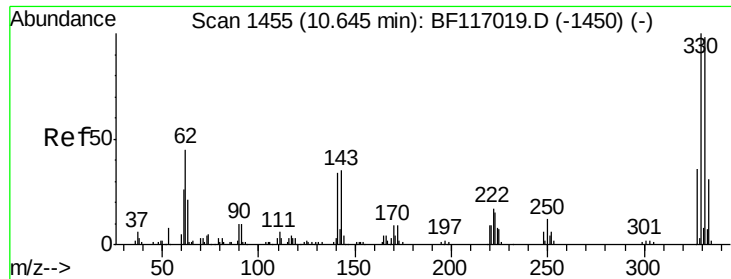
Tot Ion:122 Resp: 480
Ion Ratio Lower Upper
122 100
105 76.7 114.8 154.8#
77 98.0 78.7 118.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117153.D
Acq: 18 Sep 2019 19:07

Tgt Ion:164 Resp: 140330
Ion Ratio Lower Upper
164 100
162 106.8 83.4 125.2
160 45.4 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 152.070 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117153.D

Acq: 18 Sep 2019 19:07

Instrument :

BNA_F

ClientSampleId :

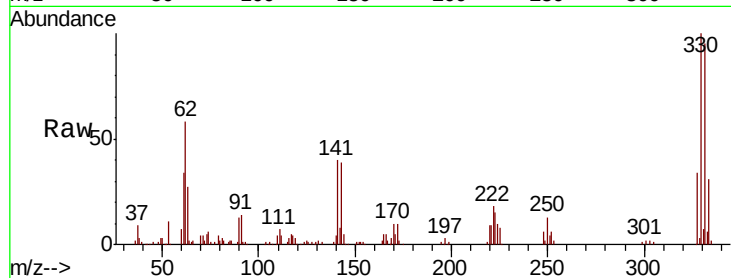
Tot Ion:330 Resp: 178353

Ion Ratio Lower Upper

330 100

332 96.1 78.0 117.0

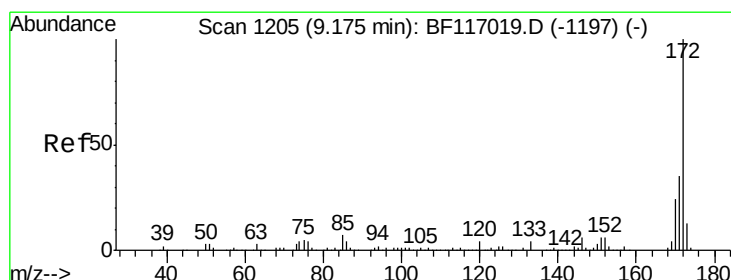
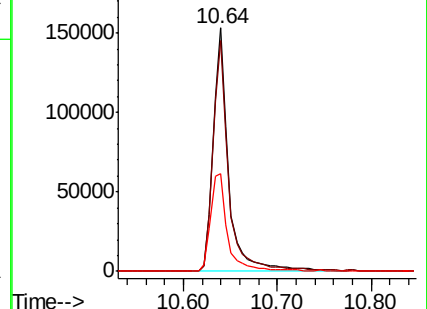
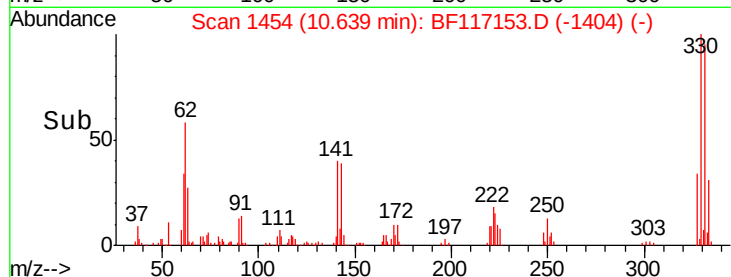
141 44.2 35.8 53.6



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: 96.910 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF117153.D

Acq: 18 Sep 2019 19:07

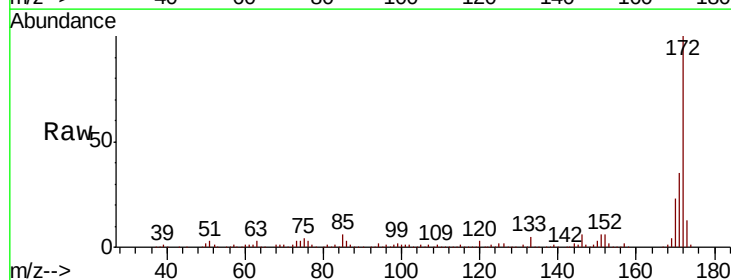
Tgt Ion:172 Resp: 869761

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.2

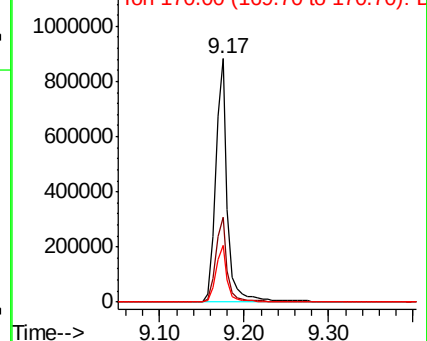
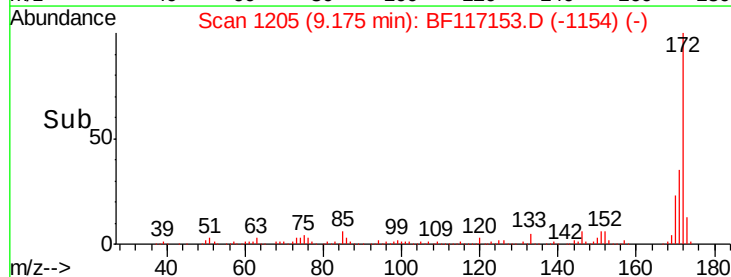
170 23.3 18.9 28.3

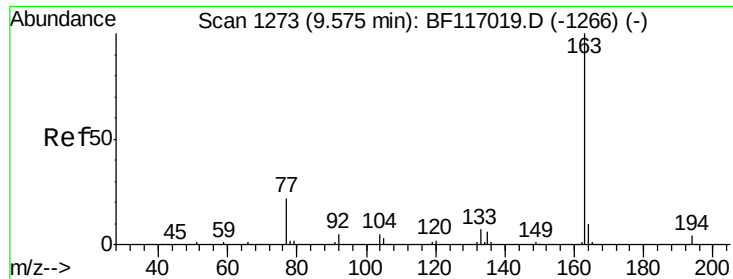


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

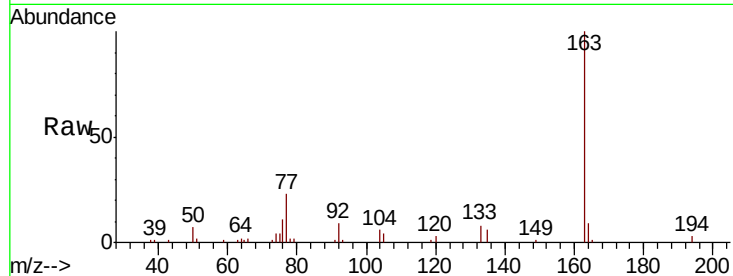




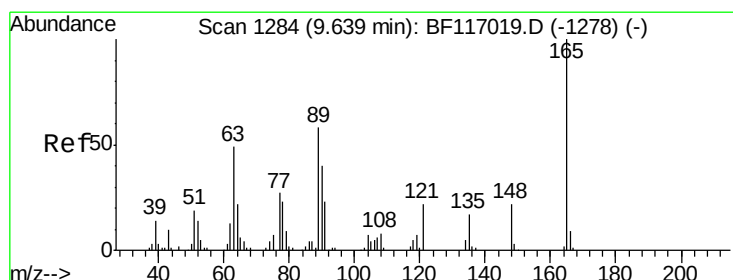
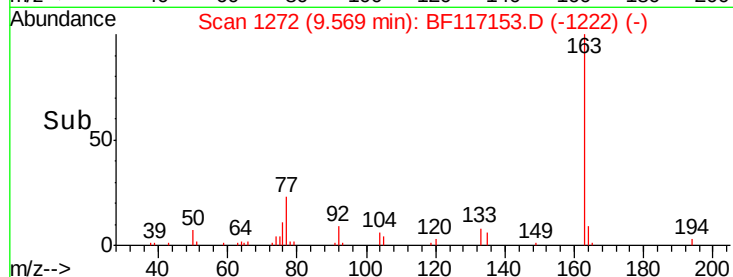
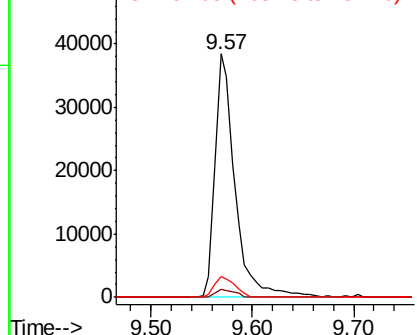
#50
Dimethylphthalate
Concen: 5.311 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117153.D
Acq: 18 Sep 2019 19:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 52775
Ion Ratio Lower Upper
163 100
194 3.5 2.9 4.3
164 8.7 8.2 12.4

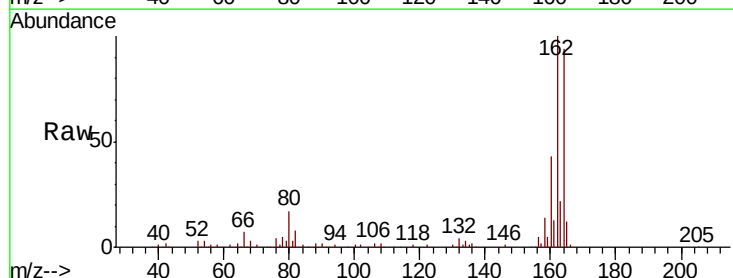


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

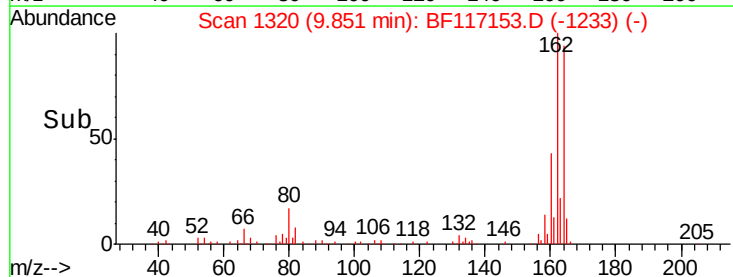
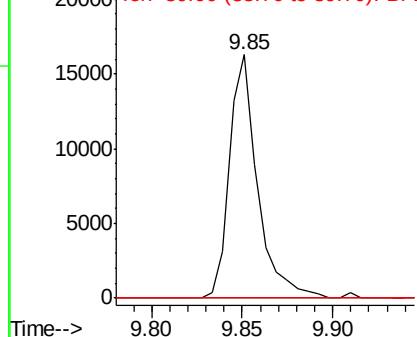


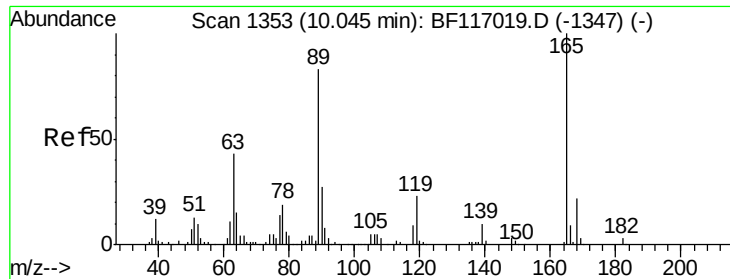
#51
2,6-Dinitrotoluene
Concen: 8.675 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF117153.D
Acq: 18 Sep 2019 19:07

Tgt Ion:165 Resp: 17555
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 0.0 46.5 69.7#



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: 6.683 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF117153.D

Acq: 18 Sep 2019 19:07

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 17555

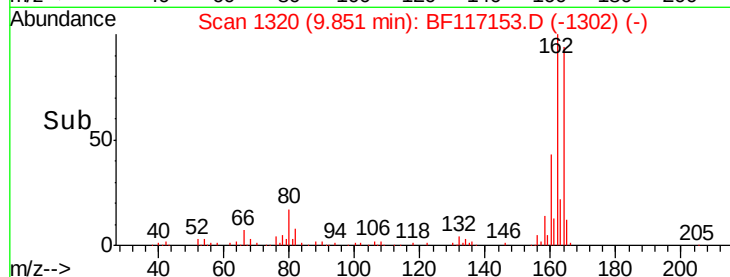
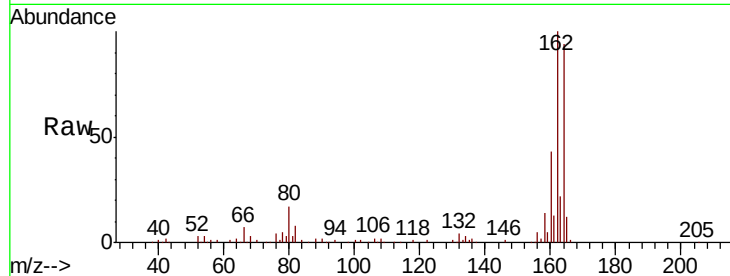
Ion Ratio Lower Upper

165 100

63 0.0 35.0 52.4#

89 0.0 66.1 99.1#

182 0.0 2.0 3.0#

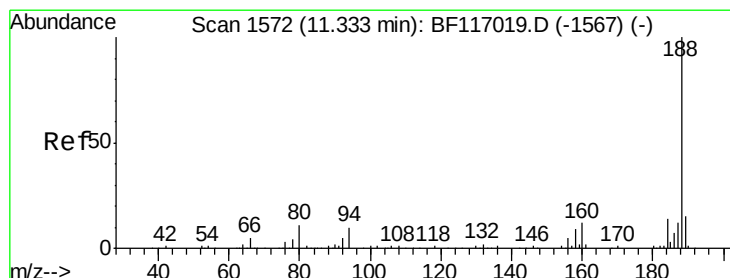
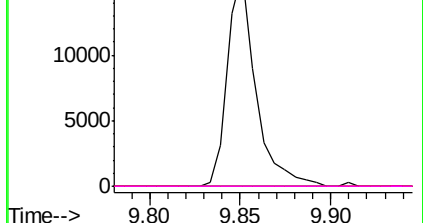


Abundance Ion 165.00 (164.70 to 165.70): E

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. 0.00 min

Lab File: BF117153.D

Acq: 18 Sep 2019 19:07

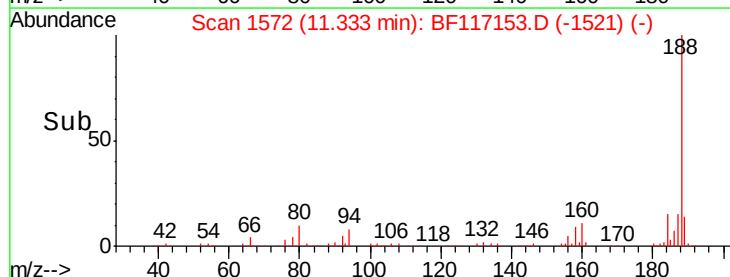
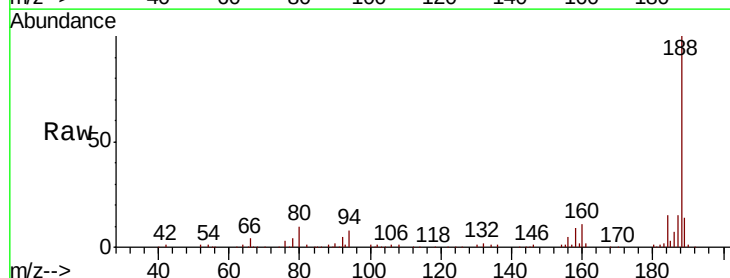
Tgt Ion:188 Resp: 236844

Ion Ratio Lower Upper

188 100

94 8.3 8.2 12.2

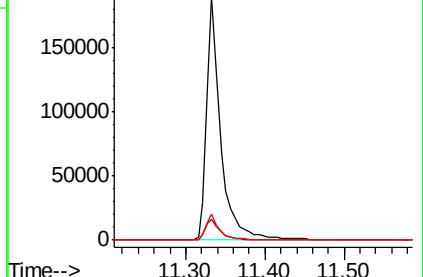
80 10.4 9.0 13.6

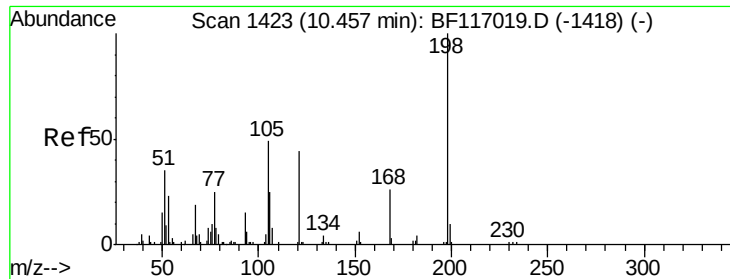


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

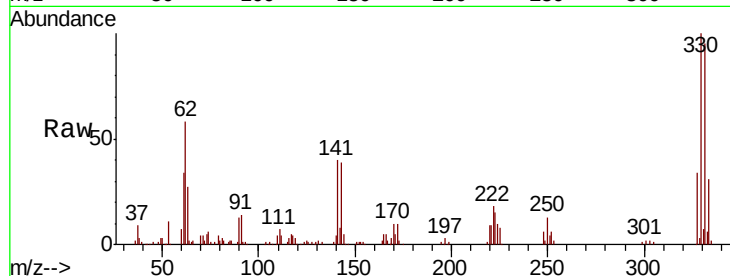




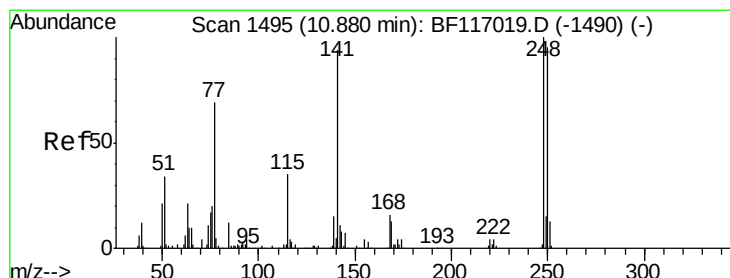
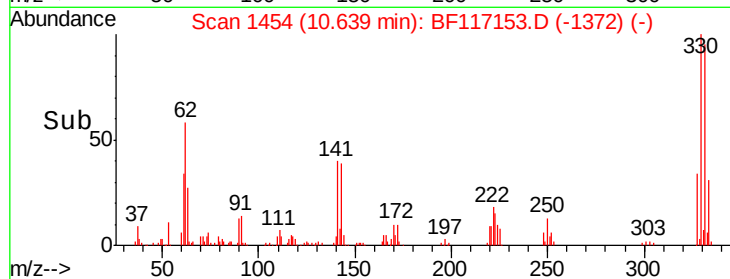
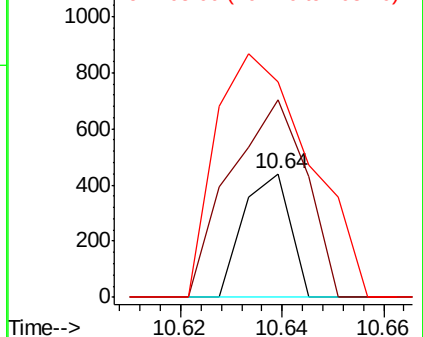
#65
4,6-Dinitro-2-methylphenol
Concen: 7.126 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF117153.D
Acq: 18 Sep 2019 19:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 282
Ion Ratio Lower Upper
198 100
51 159.4 18.7 58.7#
105 173.7 30.2 70.2#

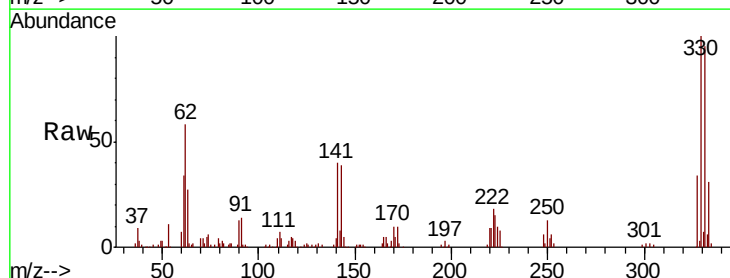


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

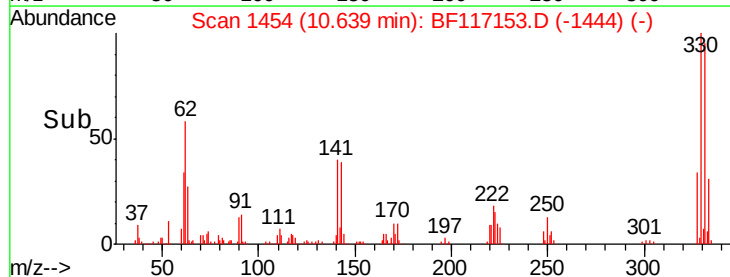
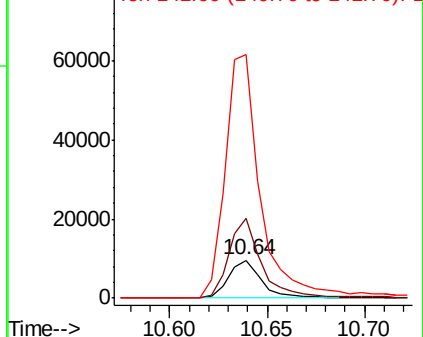


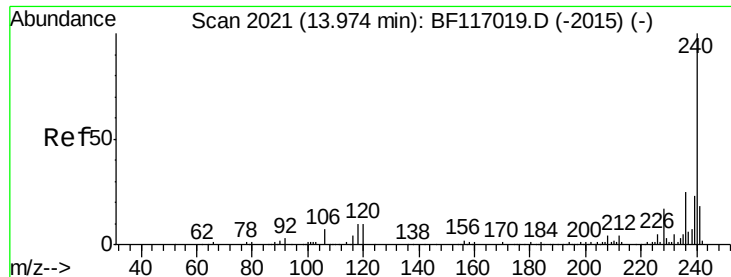
#67
4-Bromophenyl-phenylether
Concen: 4.580 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117153.D
Acq: 18 Sep 2019 19:07

Tgt Ion:248 Resp: 11078
Ion Ratio Lower Upper
248 100
250 210.4 76.2 114.4#
141 642.6 75.0 112.4#



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

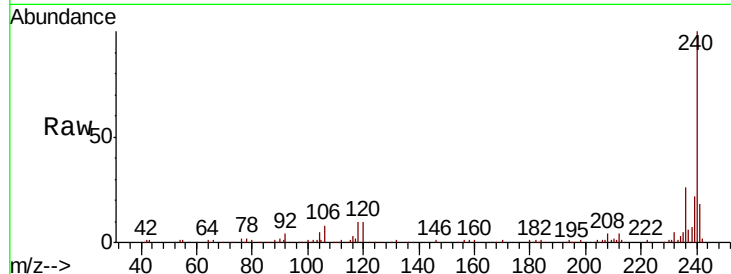




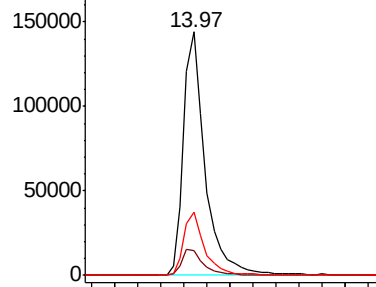
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117153.D
 Acq: 18 Sep 2019 19:07

Instrument :
 BNA_F
 ClientSampleId :

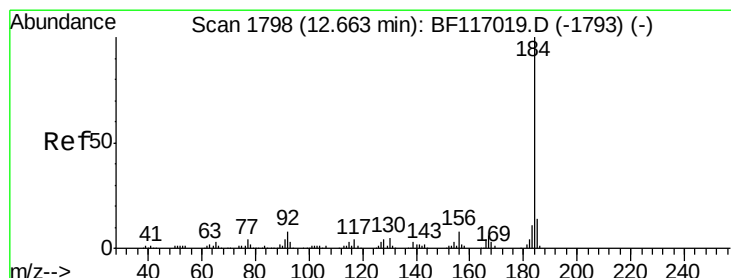
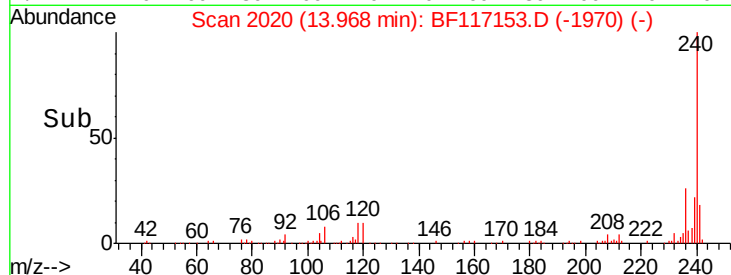
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.3	12.5
236	26.0	20.3	30.5



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

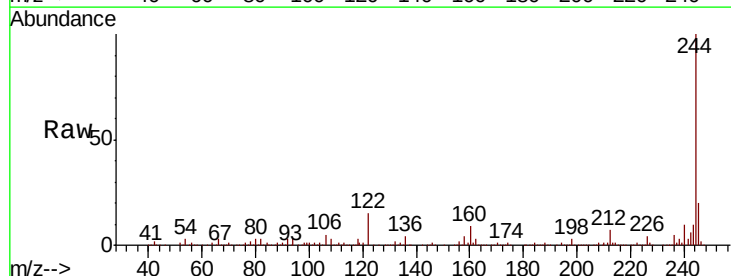


Time-->

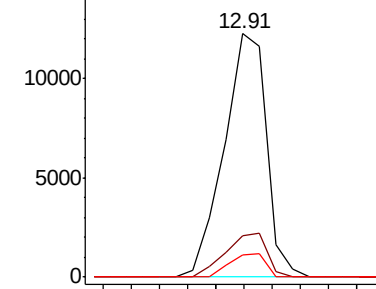


#77
 Benzidine
 Concen: 2.111 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.25 min
 Lab File: BF117153.D
 Acq: 18 Sep 2019 19:07

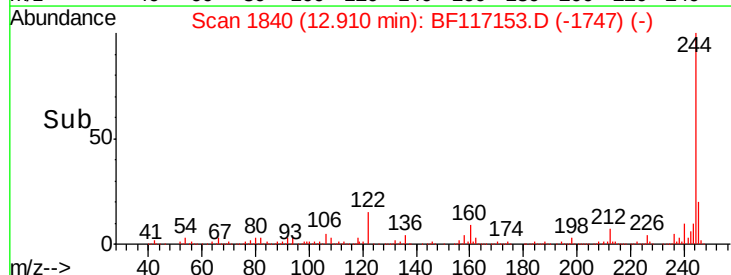
Tgt Ion	Ratio	Lower	Upper
184	100		
185	17.0	11.6	17.4
183	9.0	9.0	13.4

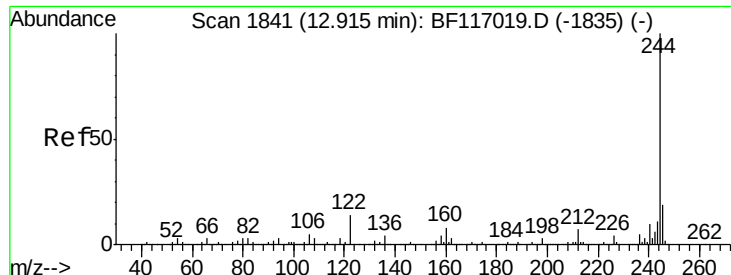


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 185.00 (184.70 to 185.70): E
 Ion 183.00 (182.70 to 183.70): E



Time-->

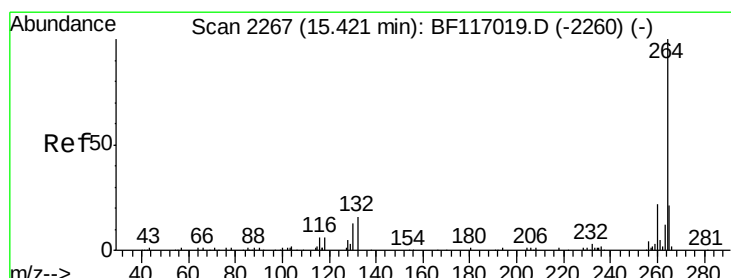
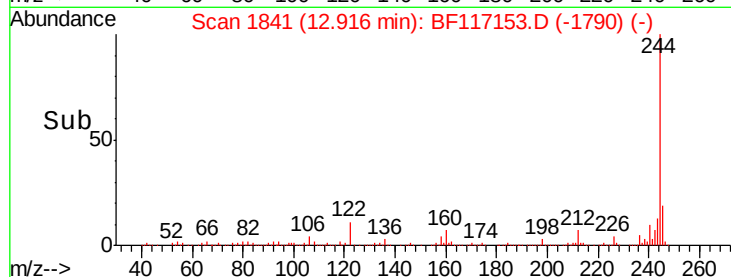
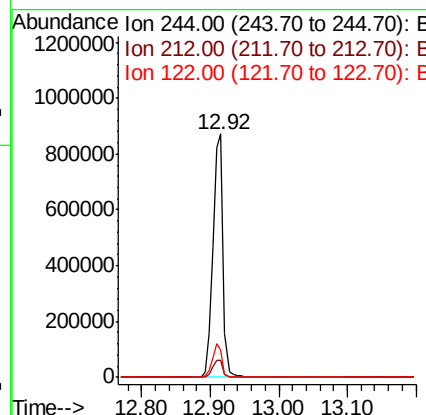
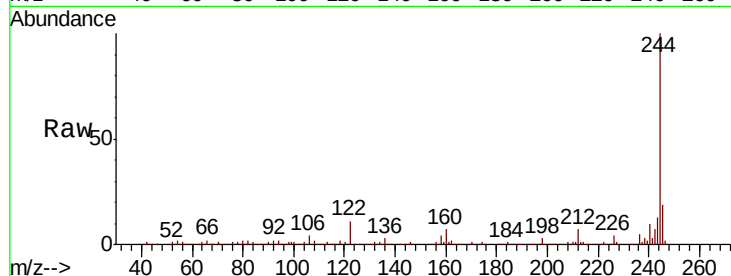




#79
 Terphenyl-d14
 Concen: 90.160 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117153.D
 Acq: 18 Sep 2019 19:07

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	11.1	11.3	16.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. 0.00 min
 Lab File: BF117153.D
 Acq: 18 Sep 2019 19:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	20.3	17.6	26.4
265	20.1	16.6	24.8

