

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
 Data File : BF117159.D
 Acq On : 18 Sep 2019 21:47
 Operator : HP/JU
 Sample : K4942-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:16:26 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	75915	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	294483	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	148137	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	242126	20.00	ng	0.00
76) Chrysene-d12	13.97	240	173592	20.00	ng	0.00
87) Perylene-d12	15.42	264	166359	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	556423	114.43	ng	0.02
7) Phenol-d6	6.46	99	657645	104.65	ng	0.00
23) Nitrobenzene-d5	7.39	82	539799	96.31	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	176211	142.33	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	913648	96.43	ng	0.00
79) Terphenyl-d14	12.91	244	892475	96.10	ng	0.00

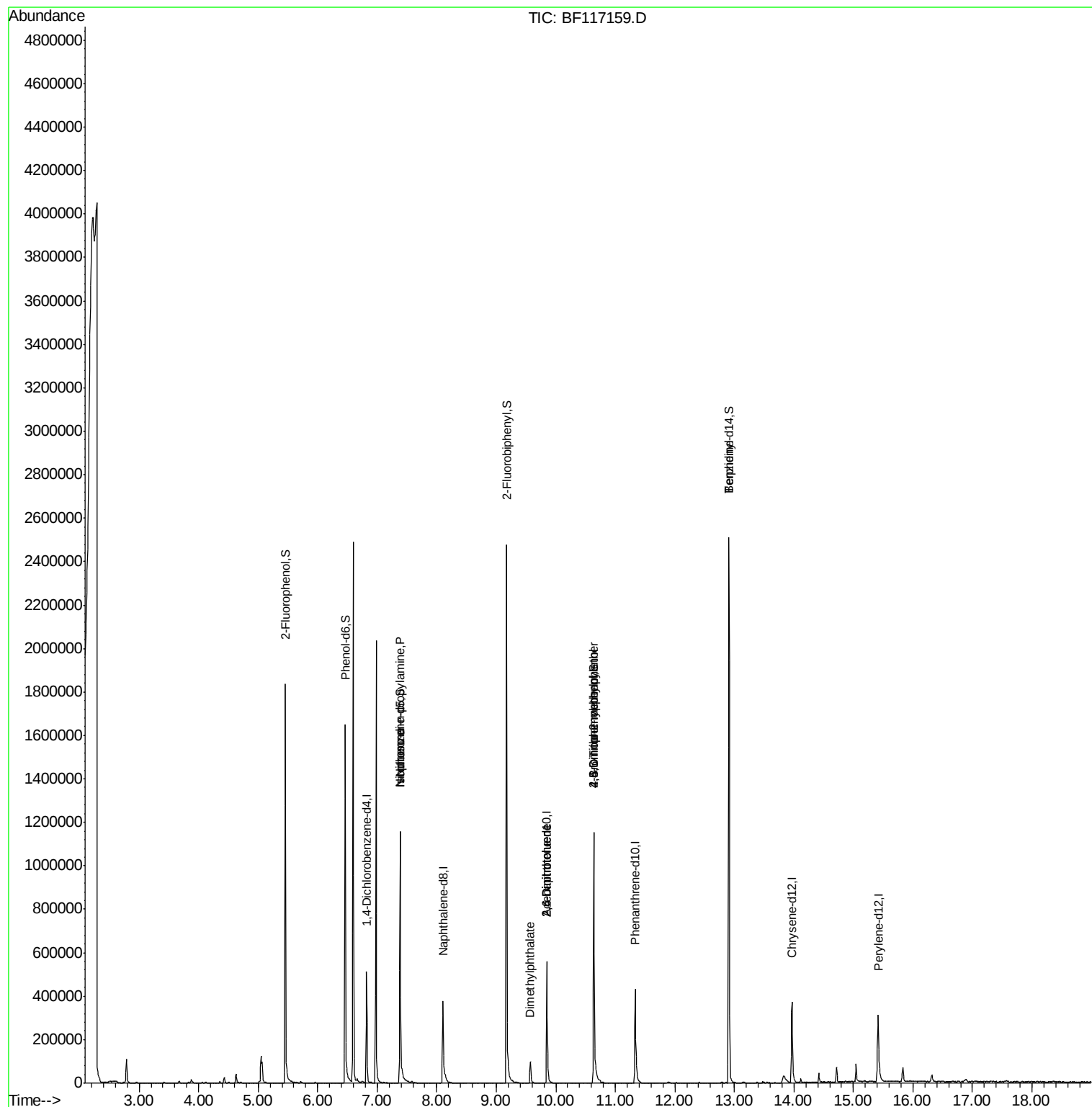
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	924	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.39	70	68976	18.026	ng	# 78
25) Isophorone	7.39	82	540212	54.437	ng	# 66
50) Dimethylphthalate	9.57	163	69468	6.623	ng	# 99
51) 2,6-Dinitrotoluene	9.85	165	18526	8.672	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	18527	6.681	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.63	198	257	7.102	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	11865	4.798	ng	# 1
77) Benzidine	12.91	184	12452	2.227	ng	# 94

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

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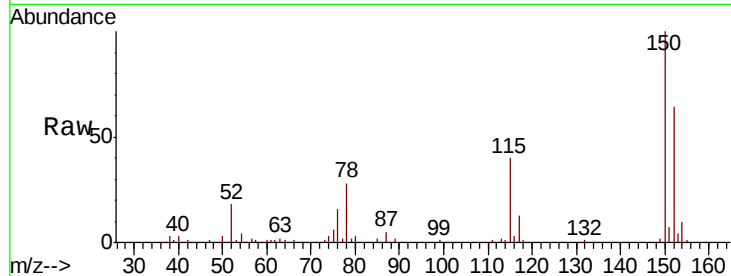


#1

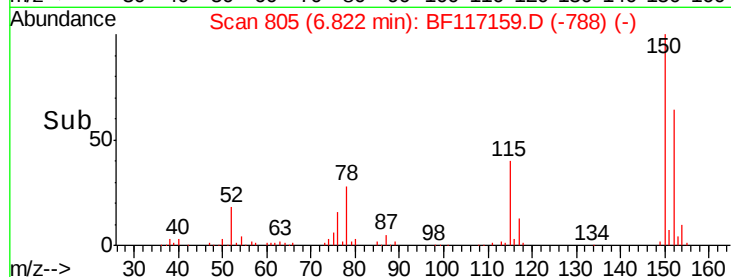
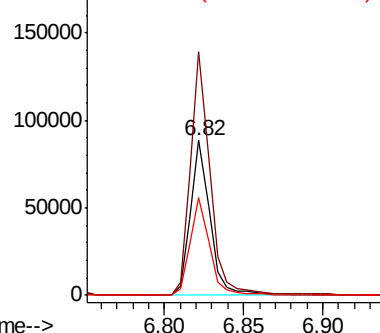
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117159.D
Acq: 18 Sep 2019 21:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 75915
Ion Ratio Lower Upper
152 100
150 157.2 127.5 191.3
115 63.4 55.0 82.4



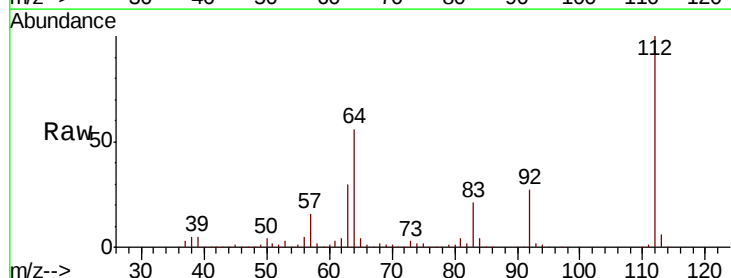
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



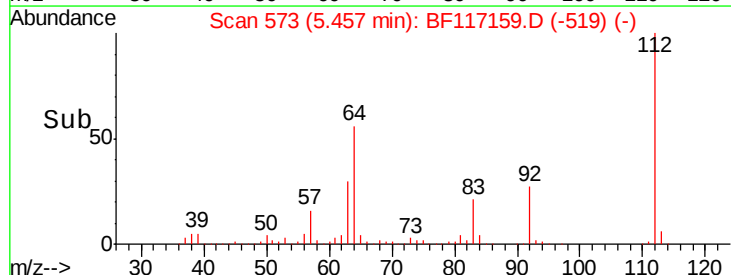
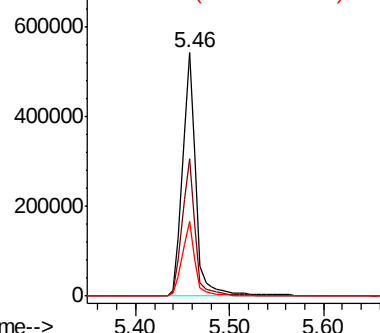
#5

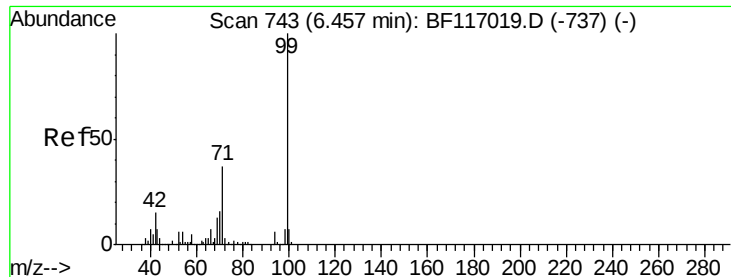
2-Fluorophenol
Concen: 114.432 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117159.D
Acq: 18 Sep 2019 21:47

Tgt Ion:112 Resp: 556423
Ion Ratio Lower Upper
112 100
64 56.3 45.7 68.5
63 30.4 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: 104.653 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117159.D

Acq: 18 Sep 2019 21:47

Instrument :

BNA_F

ClientSampleId :

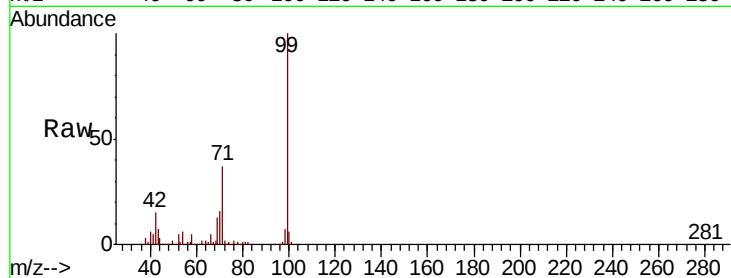
Tot Ion: 99 Resp: 657645

Ion Ratio Lower Upper

99 100

42 15.0 12.2 18.2

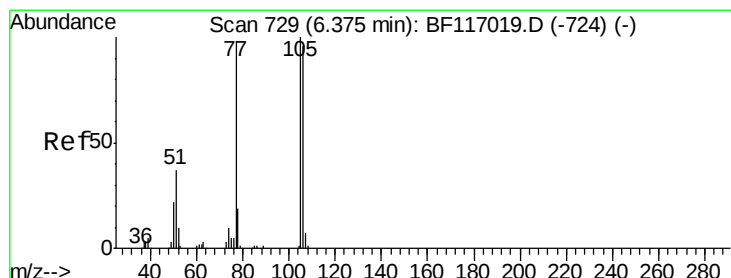
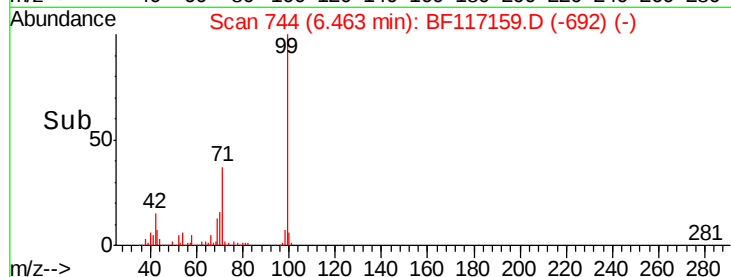
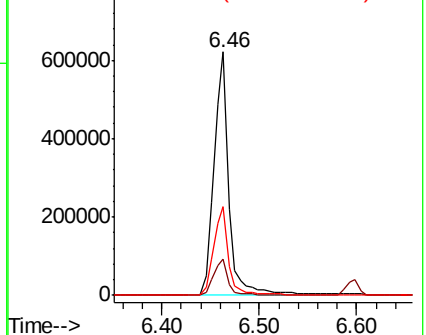
71 36.6 29.8 44.8



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: BF117159.D

Acq: 18 Sep 2019 21:47

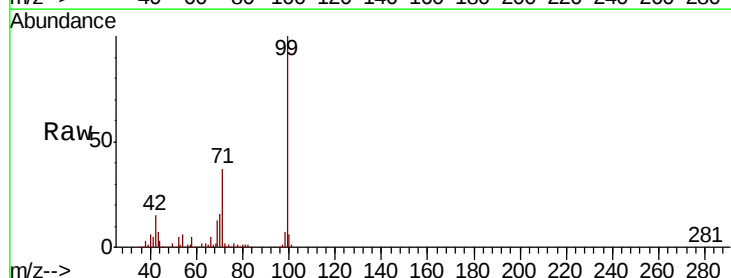
Tgt Ion: 77 Resp: 924

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

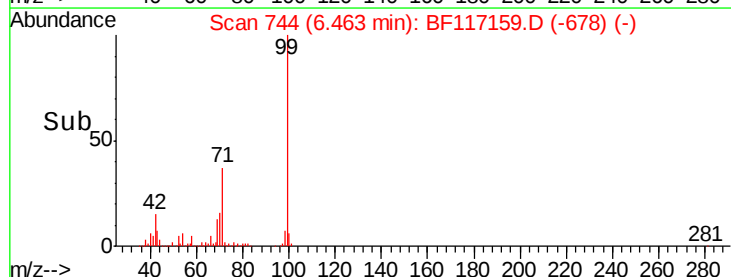
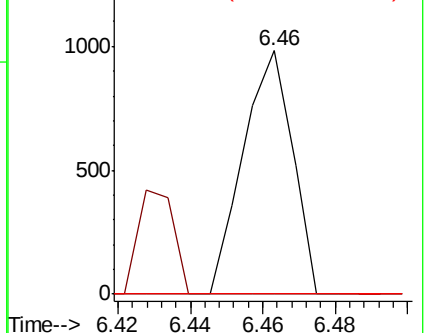
106 0.0 77.3 117.3#



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

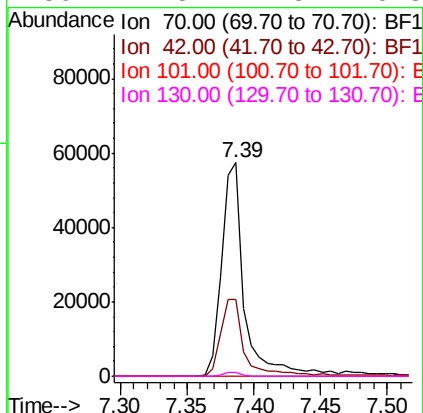
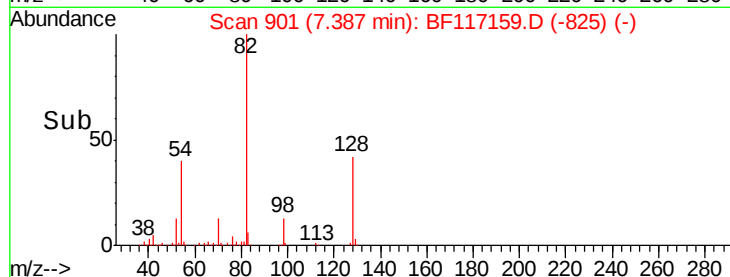
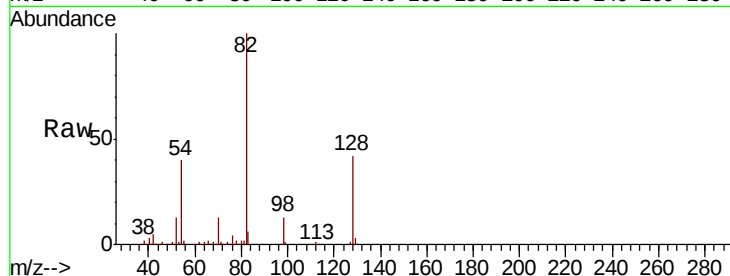




#19
n-Nitroso-di-n-propylamine
Concen: 18.026 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117159.D
Acq: 18 Sep 2019 21:47

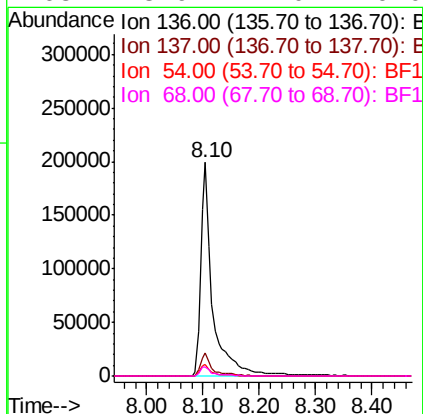
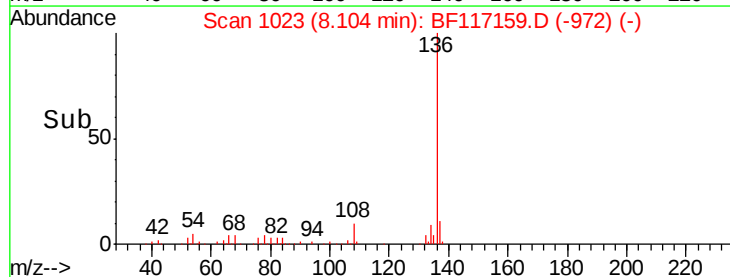
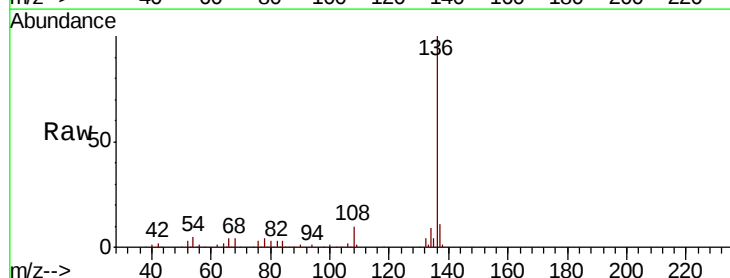
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 68976
Ion Ratio Lower Upper
70 100
42 35.7 34.0 51.0
101 0.0 7.8 11.6#
130 1.8 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: BF117159.D
Acq: 18 Sep 2019 21:47

Tgt Ion: 136 Resp: 294483
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.4
54 5.1 4.5 6.7
68 3.9 4.0 6.0#

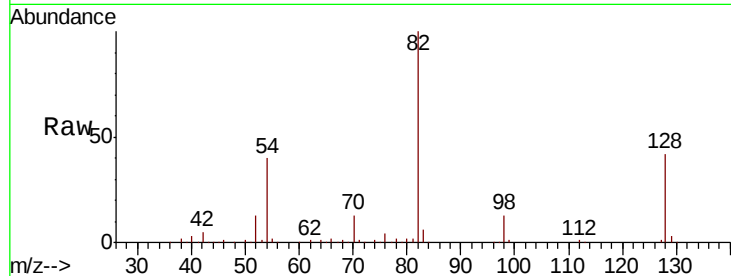




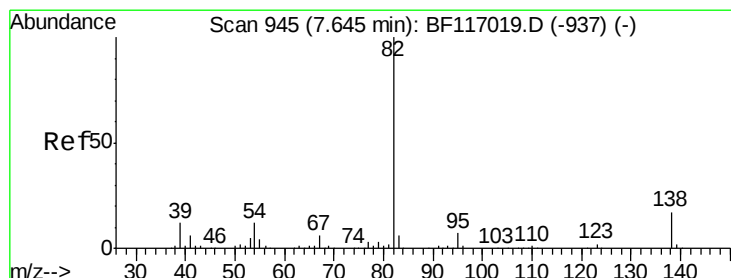
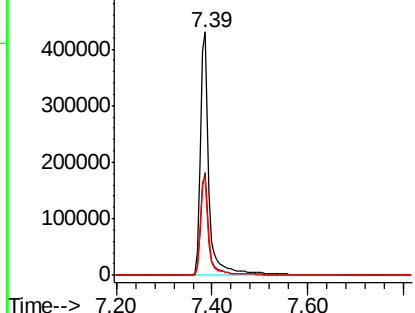
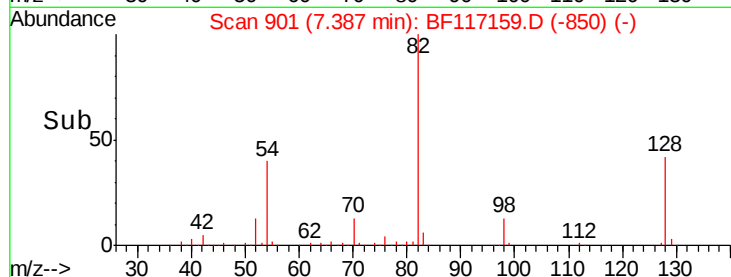
#23
Nitrobenzene-d5
Concen: 96.312 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF117159.D
Acq: 18 Sep 2019 21:47

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	539799
Ion Ratio	Lower	Upper	
82	100		
128	42.5	32.3	48.5
54	40.1	33.3	49.9

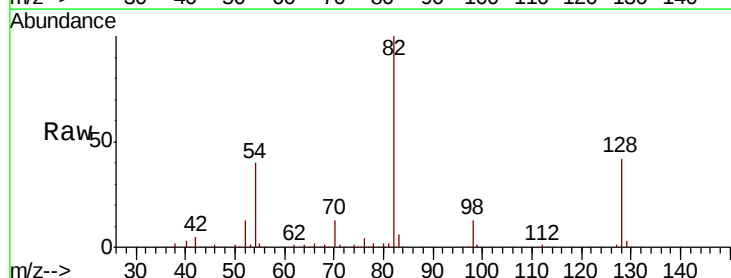


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

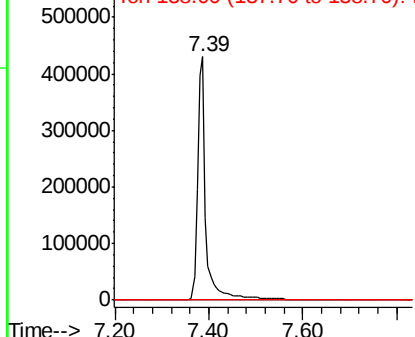
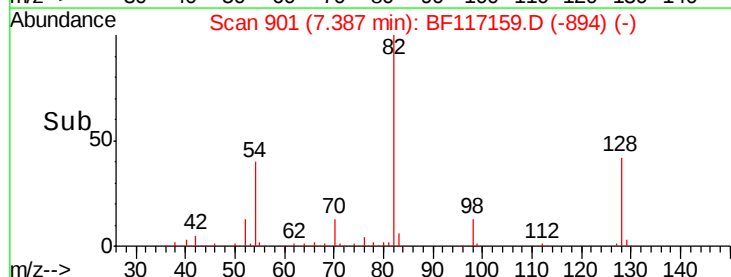


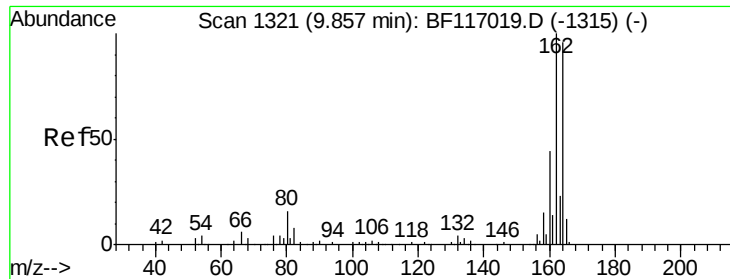
#25
Isophorone
Concen: 54.437 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF117159.D
Acq: 18 Sep 2019 21:47

Tgt Ion	82	Resp	540212
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

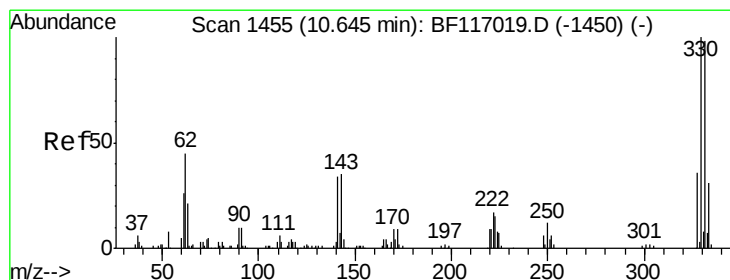
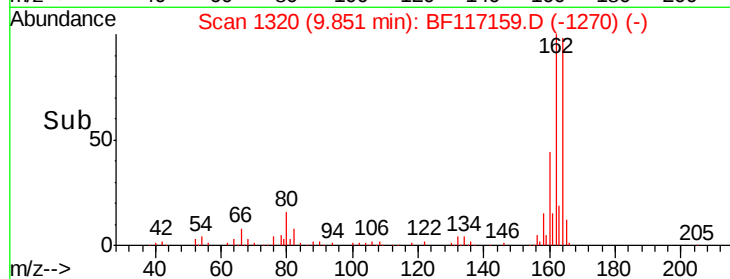
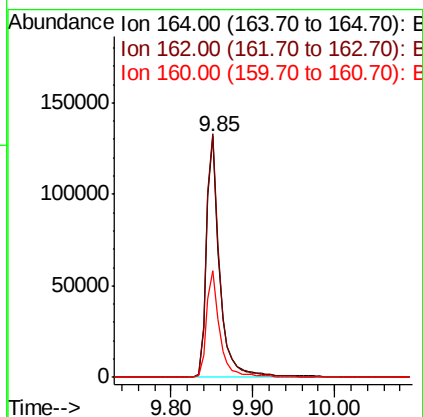
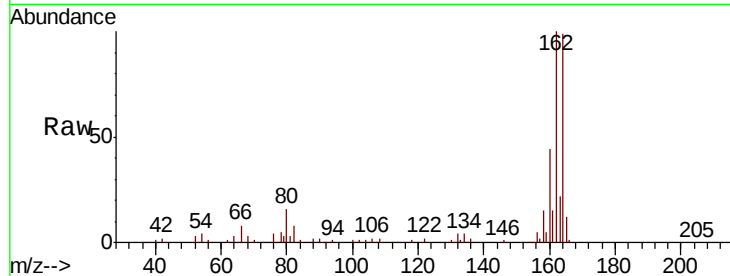




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117159.D
Acq: 18 Sep 2019 21:47

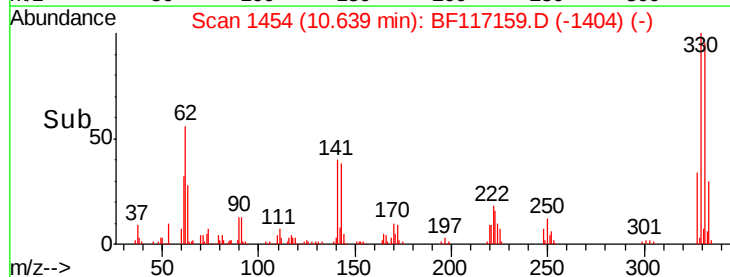
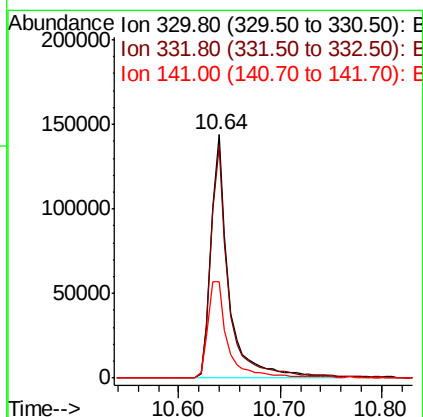
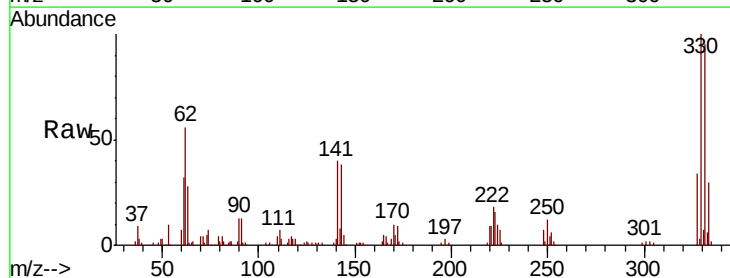
Instrument :
BNA_F
ClientSampleId :

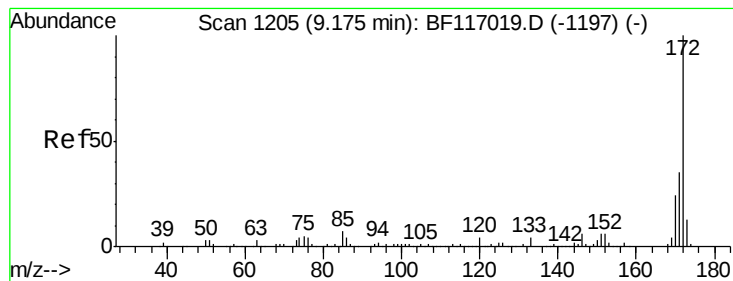
Tot Ion:164 Resp: 148137
Ion Ratio Lower Upper
164 100
162 101.2 83.4 125.2
160 44.6 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 142.325 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117159.D
Acq: 18 Sep 2019 21:47

Tgt Ion:330 Resp: 176211
Ion Ratio Lower Upper
330 100
332 97.0 78.0 117.0
141 44.9 35.8 53.6





#45

2-Fluorobiphenyl

Concen: 96.435 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF117159.D

Acq: 18 Sep 2019 21:47

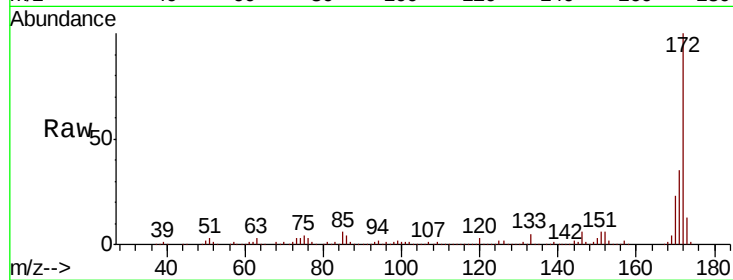
Instrument :

BNA_F

ClientSampled :

Tot Ion:172 Resp: 913648

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.2
170	23.3	18.9	28.3

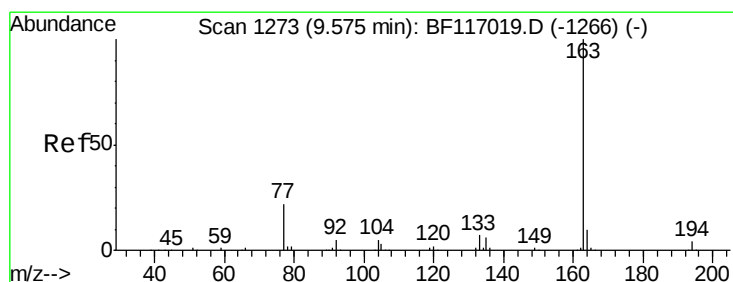
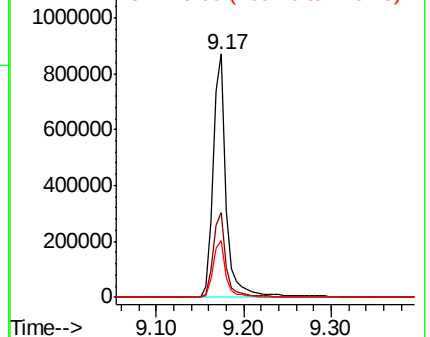
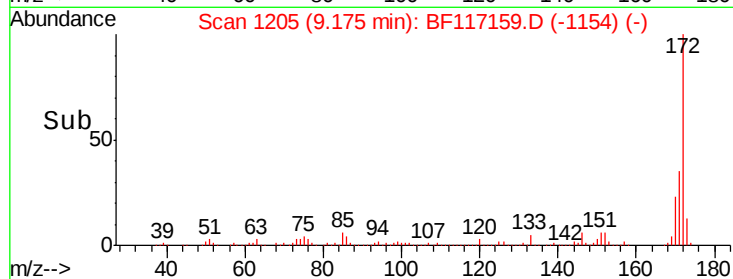


Abundance

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: 6.623 ng

RT: 9.57 min Scan# 1273

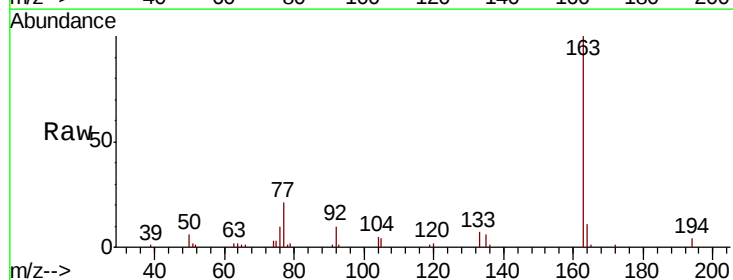
Delta R.T. 0.00 min

Lab File: BF117159.D

Acq: 18 Sep 2019 21:47

Tgt Ion:163 Resp: 69468

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.9	4.3
164	10.7	8.2	12.4

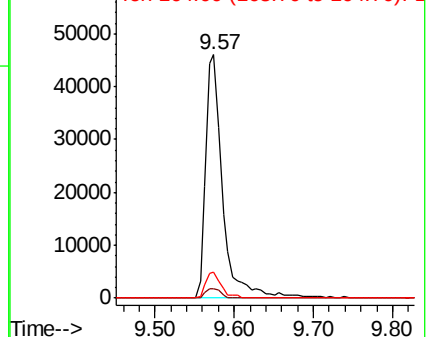
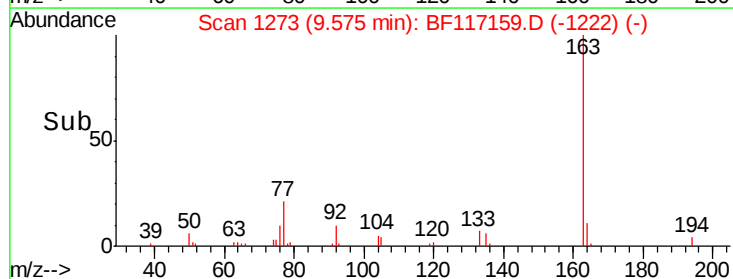


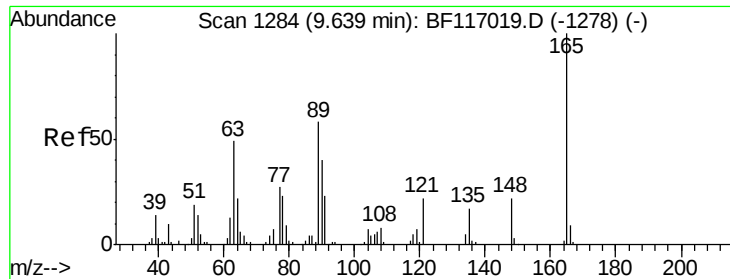
Abundance

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

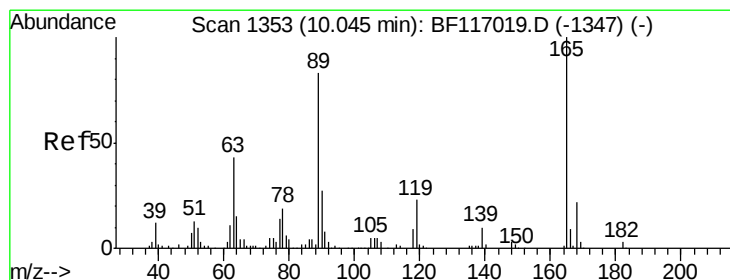
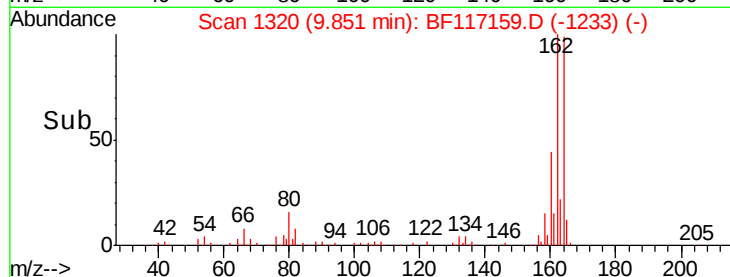
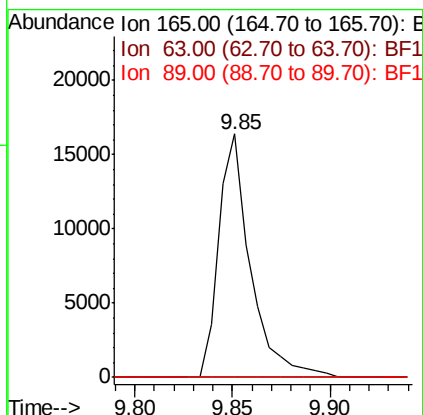
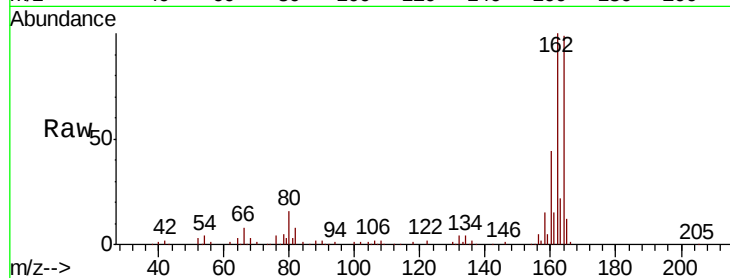




#51
 2,6-Dinitrotoluene
 Concen: 8.672 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117159.D
 Acq: 18 Sep 2019 21:47

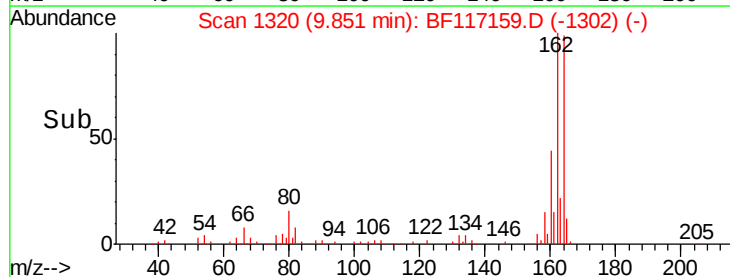
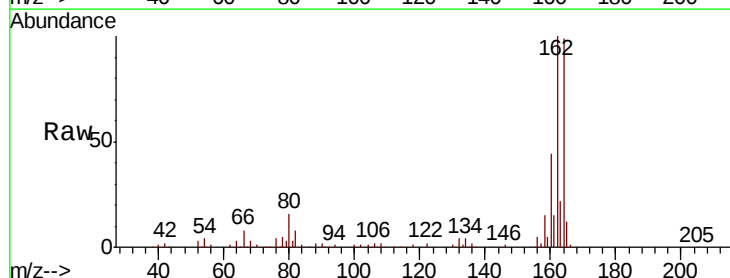
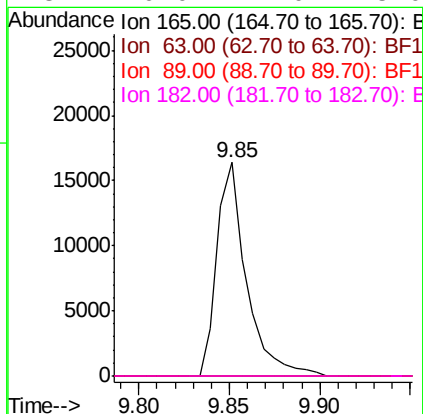
Instrument :
 BNA_F
 ClientSampleId :

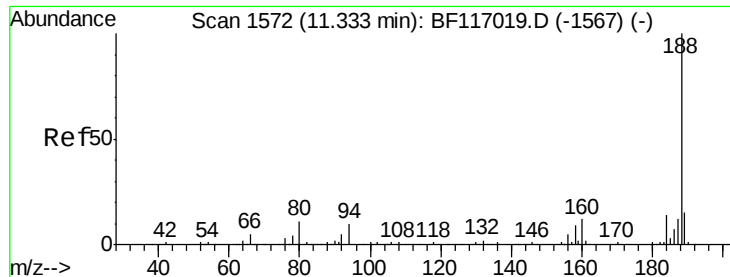
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#



#57
 2,4-Dinitrotoluene
 Concen: 6.681 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117159.D
 Acq: 18 Sep 2019 21:47

Tgt 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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF117159.D

Acq: 18 Sep 2019 21:47

Instrument :

BNA_F

ClientSampleId :

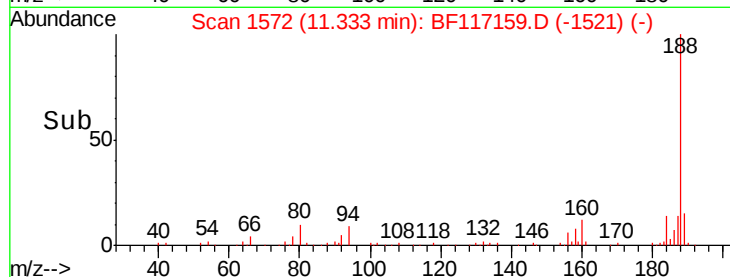
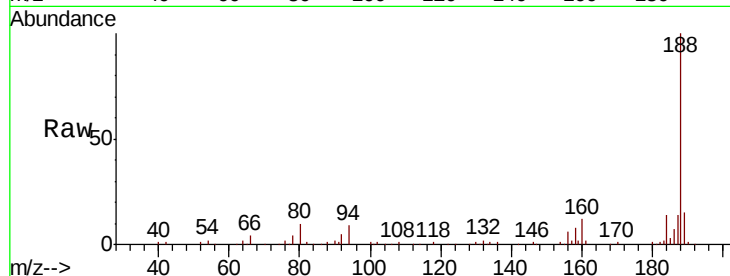
Tot Ion:188 Resp: 242126

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.2

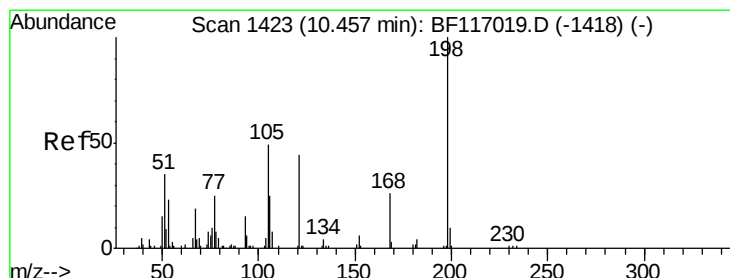
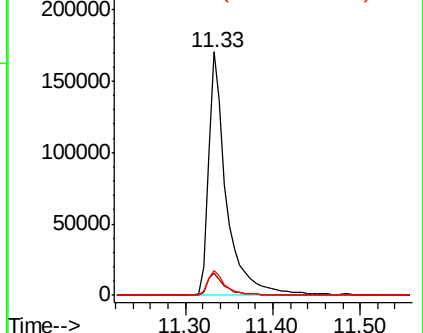
80 10.4 9.0 13.6



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: 7.102 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF117159.D

Acq: 18 Sep 2019 21:47

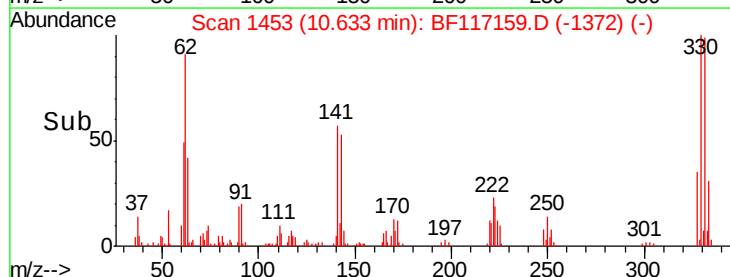
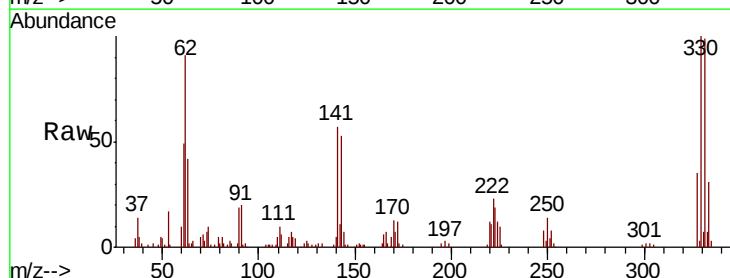
Tgt Ion:198 Resp: 257

Ion Ratio Lower Upper

198 100

51 154.8 18.7 58.7#

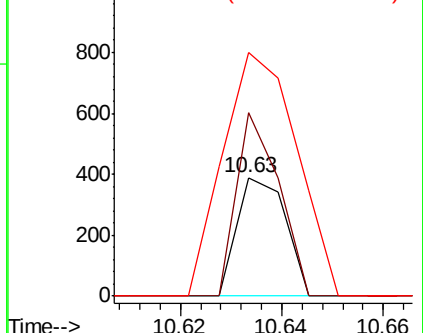
105 205.4 30.2 70.2#



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

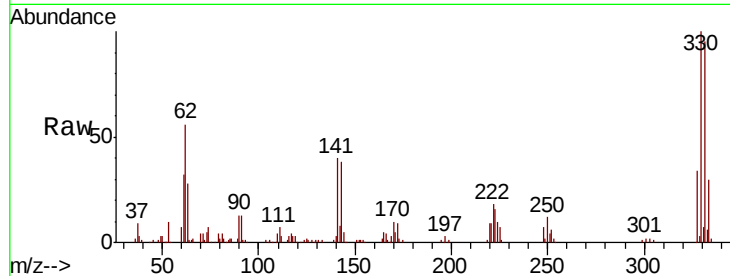




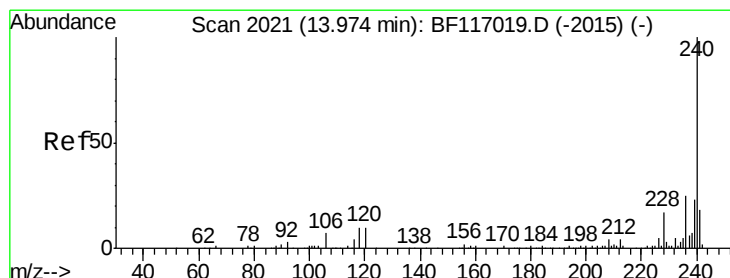
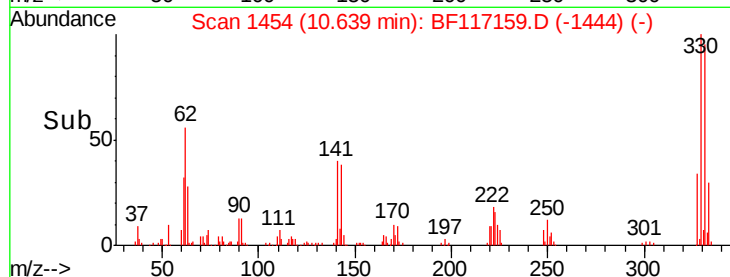
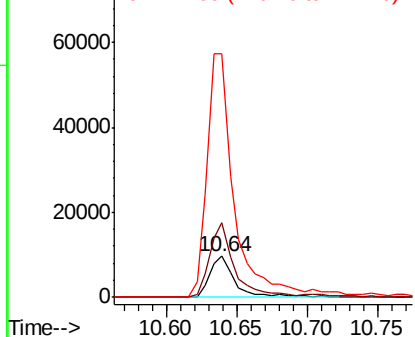
#67
 4-Bromophenyl-phenylether
 Concen: 4.798 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117159.D
 Acq: 18 Sep 2019 21:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11865
 Ion Ratio Lower Upper
 248 100
 250 183.3 76.2 114.4#
 141 596.3 75.0 112.4#

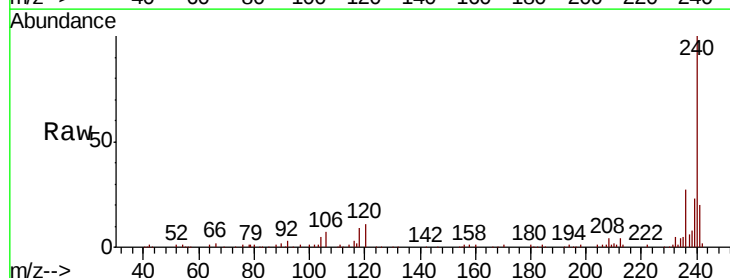


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

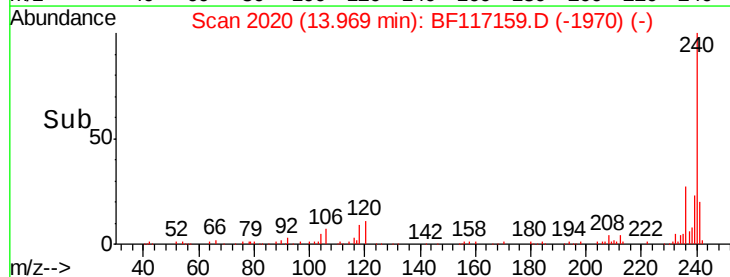
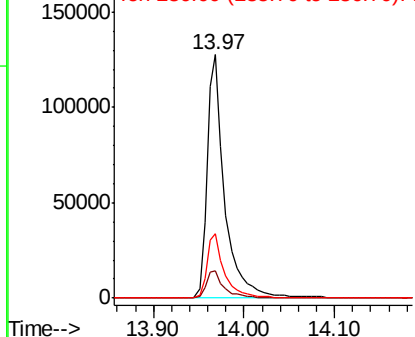


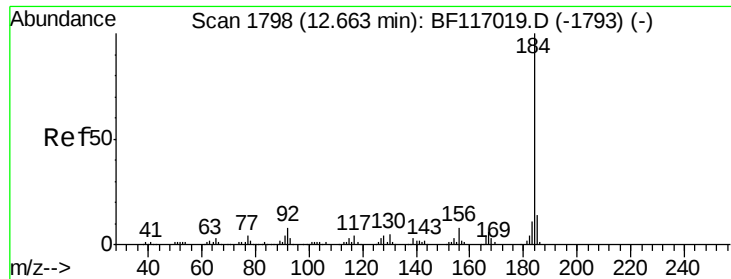
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117159.D
 Acq: 18 Sep 2019 21:47

Tgt Ion:240 Resp: 173592
 Ion Ratio Lower Upper
 240 100
 120 11.3 8.3 12.5
 236 26.6 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





#77

Benzidine

Concen: 2.227 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.25 min

Lab File: BF117159.D

Acq: 18 Sep 2019 21:47

Instrument :

BNA_F

ClientSampleId :

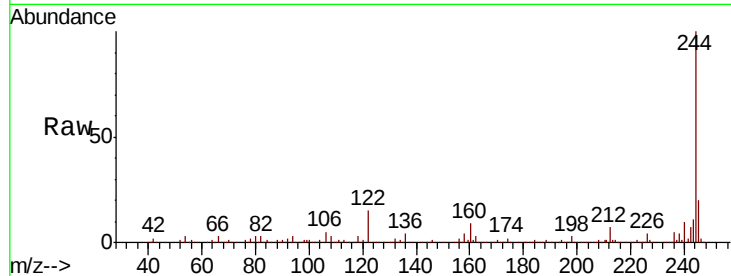
Tot Ion:184 Resp: 12452

Ion Ratio Lower Upper

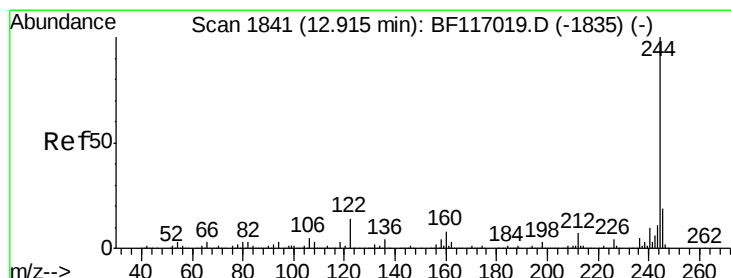
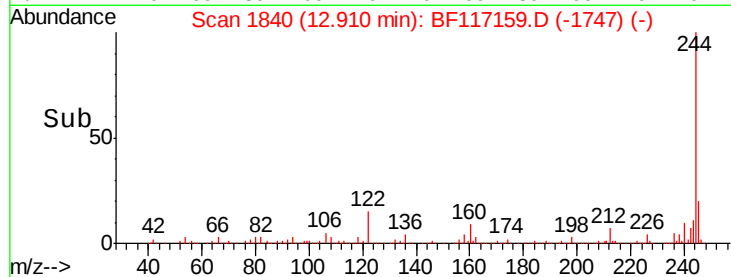
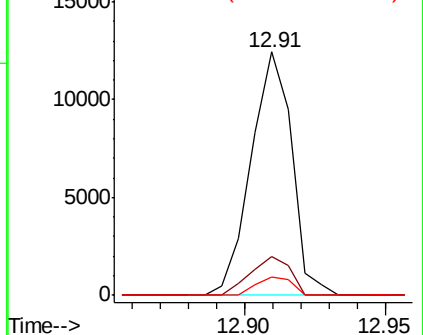
184 100

185 16.0 11.6 17.4

183 7.7 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



#79

Terphenyl-d14

Concen: 96.101 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117159.D

Acq: 18 Sep 2019 21:47

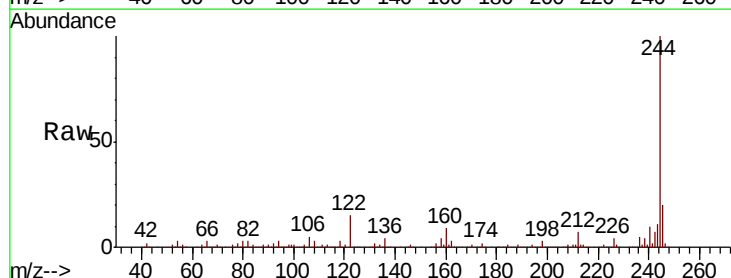
Tgt Ion:244 Resp: 892475

Ion Ratio Lower Upper

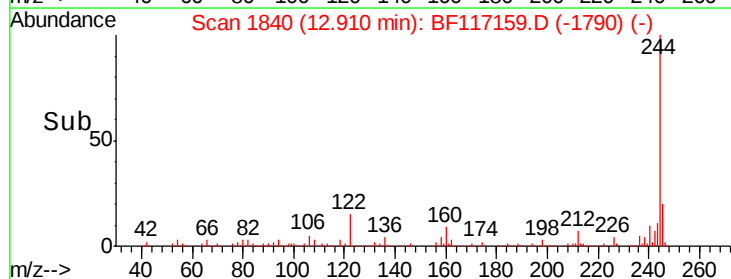
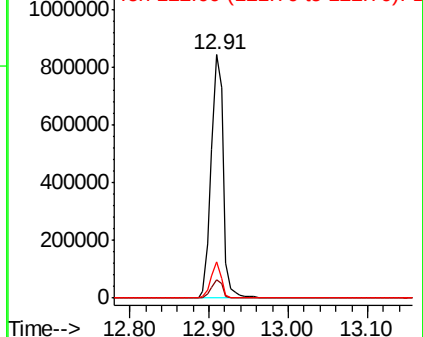
244 100

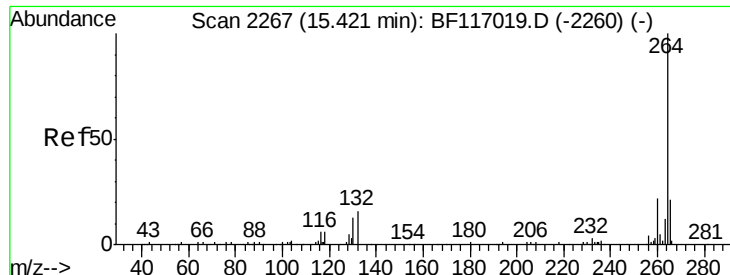
212 7.4 5.8 8.8

122 14.6 11.3 16.9



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: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF117159.D
 Acq: 18 Sep 2019 21:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.6	26.4
265	21.5	16.6	24.8

