

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
 Data File : BF117215.D
 Acq On : 24 Sep 2019 13:43
 Operator : JU
 Sample : PB123339BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 14:28:59 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

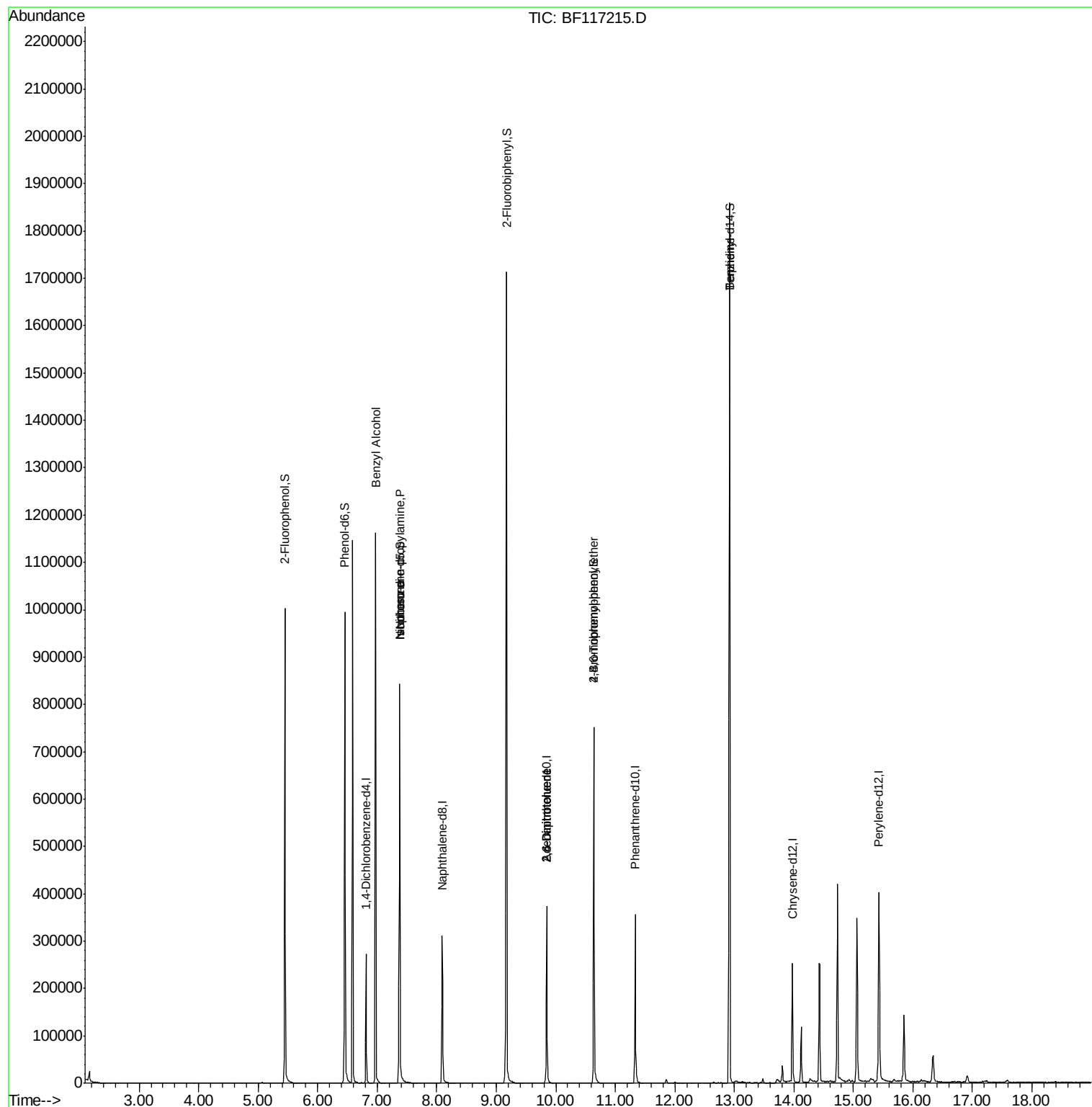
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	40664	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	163049	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	87924	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	143355	20.00	ng	0.00
76) Chrysene-d12	13.97	240	93986	20.00	ng	0.00
87) Perylene-d12	15.43	264	76639	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	269851	103.61	ng	0.01
7) Phenol-d6	6.46	99	365355	108.54	ng	0.00
23) Nitrobenzene-d5	7.38	82	336973	108.59	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	84531	115.03	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	626179	111.36	ng	0.00
79) Terphenyl-d14	12.92	244	640882	127.46	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	357	Below Cal	Qvalue	# 1
15) Benzyl Alcohol	6.97	79	6085	2.357 ng	#	49
19) n-Nitroso-di-n-propylamine	7.38	70	46062	22.473 ng	#	80
25) Isophorone	7.38	82	336971	61.329 ng	#	66
51) 2,6-Dinitrotoluene	9.85	165	10531	8.306 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	10531	6.399 ng	#	18
67) 4-Bromophenyl-phenylether	10.64	248	5535	3.781 ng	#	1
77) Benzidine	12.92	184	9464	3.126 ng	#	95

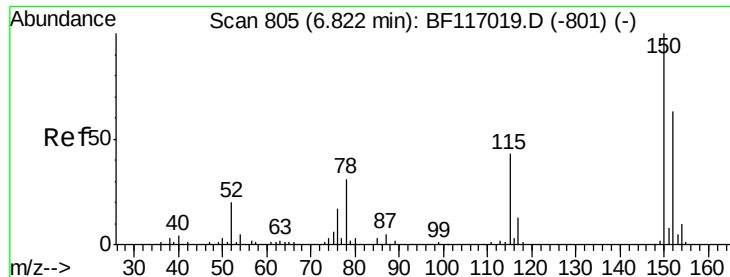
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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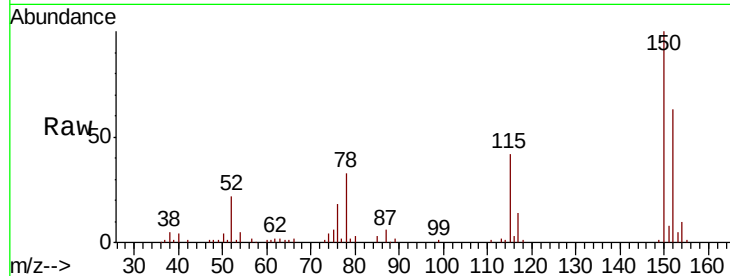


#1

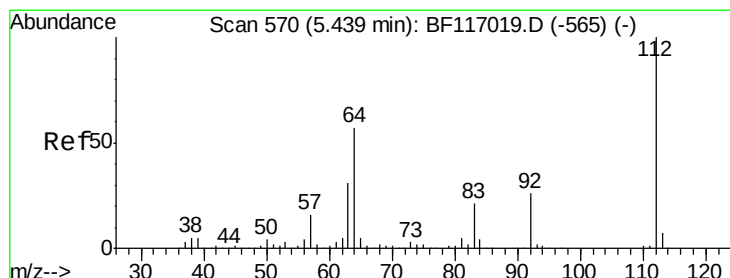
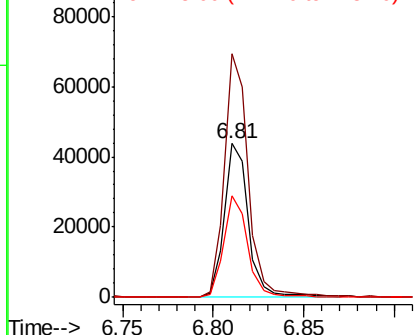
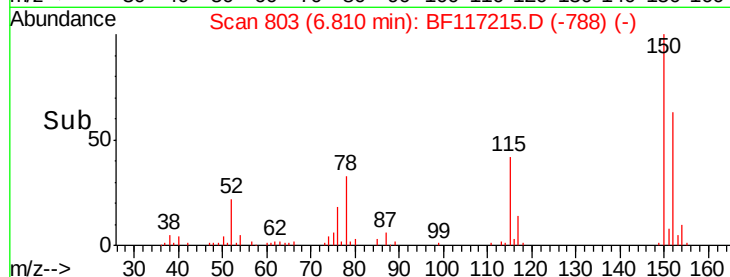
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117215.D
Acq: 24 Sep 2019 13:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 40664
Ion Ratio Lower Upper
152 100
150 158.7 127.5 191.3
115 66.4 55.0 82.4



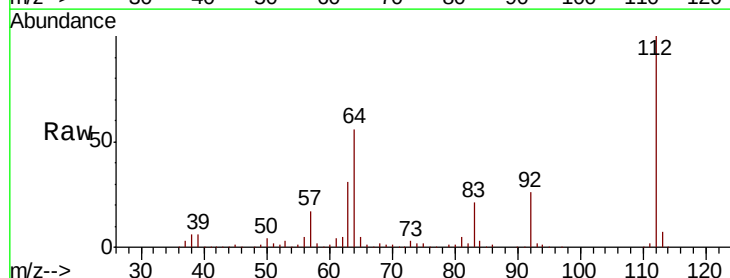
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



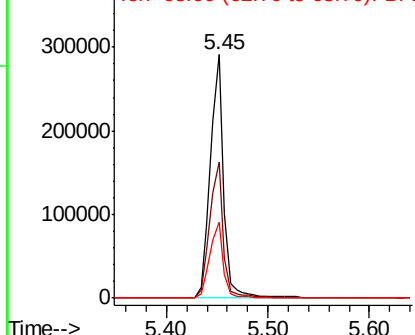
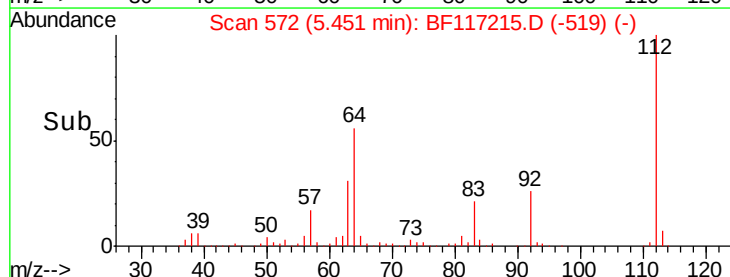
#5

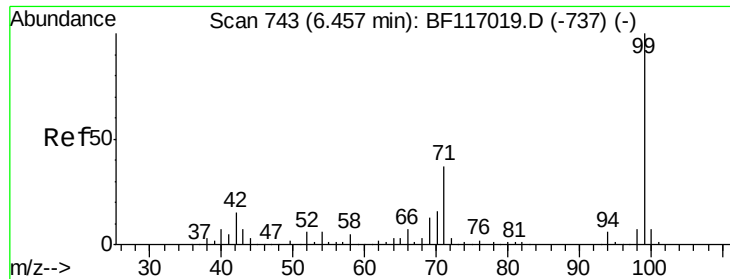
2-Fluorophenol
Concen: 103.606 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF117215.D
Acq: 24 Sep 2019 13:43

Tgt Ion:112 Resp: 269851
Ion Ratio Lower Upper
112 100
64 56.2 45.7 68.5
63 31.2 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: 108.541 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117215.D

Acq: 24 Sep 2019 13:43

Instrument :

BNA_F

ClientSampled :

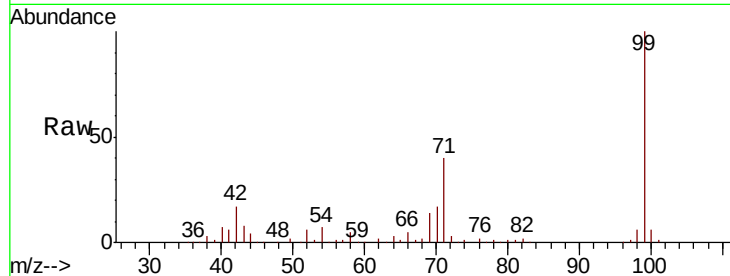
Tot Ion: 99 Resp: 365355

Ion Ratio Lower Upper

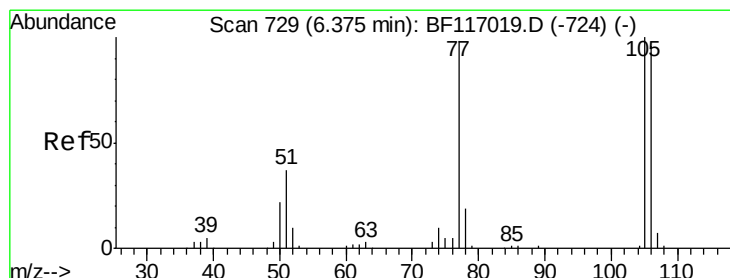
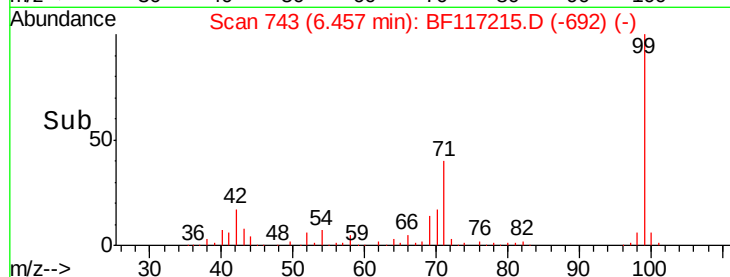
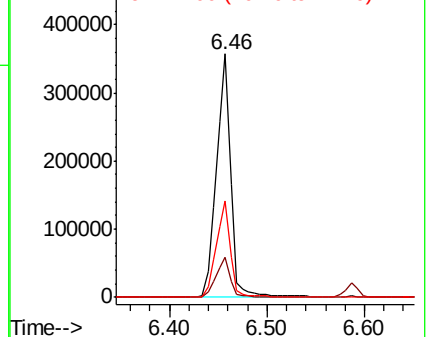
99 100

42 16.7 12.2 18.2

71 39.7 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# 743

Delta R.T. 0.08 min

Lab File: BF117215.D

Acq: 24 Sep 2019 13:43

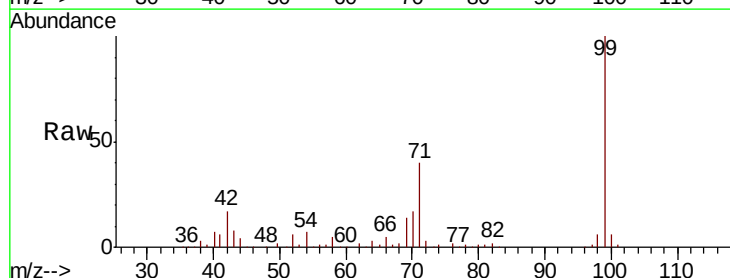
Tgt Ion: 77 Resp: 357

Ion Ratio Lower Upper

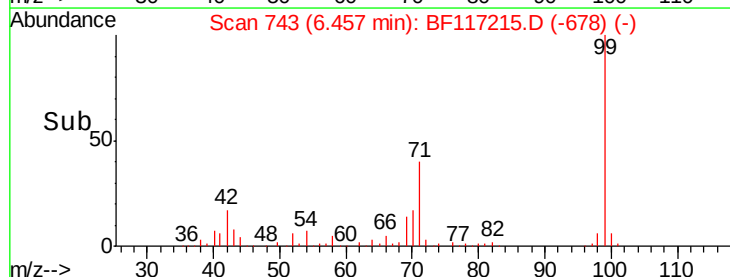
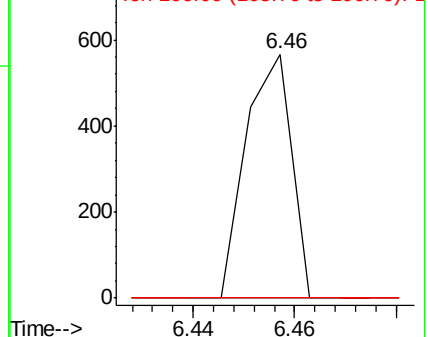
77 100

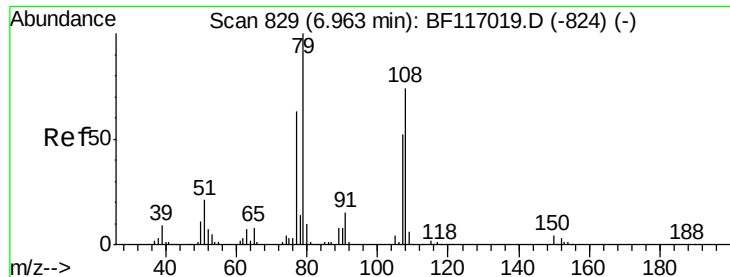
105 0.0 81.8 121.8#

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





#15

Benzyl Alcohol

Concen: 2.357 ng

RT: 6.97 min Scan# 830

Delta R.T. 0.01 min

Lab File: BF117215.D

Acq: 24 Sep 2019 13:43

Instrument :

BNA_F

ClientSampleId :

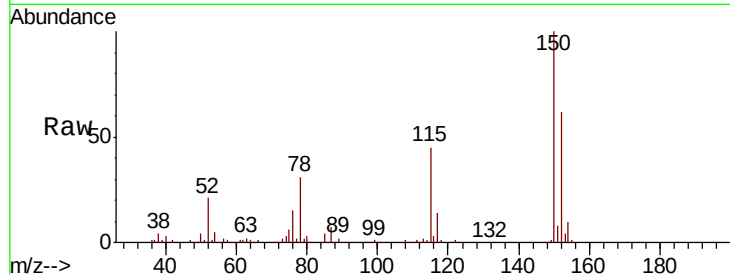
Tot Ion: 79 Resp: 6085

Ion Ratio Lower Upper

79 100

108 26.0 59.4 89.0#

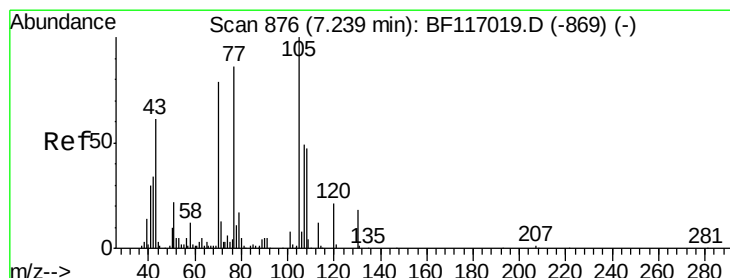
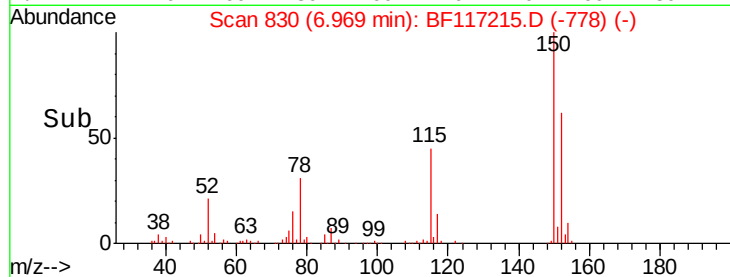
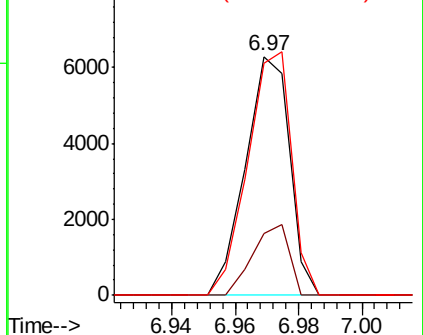
77 97.3 50.2 75.2#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 22.473 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.14 min

Lab File: BF117215.D

Acq: 24 Sep 2019 13:43

Tgt Ion: 70 Resp: 46062

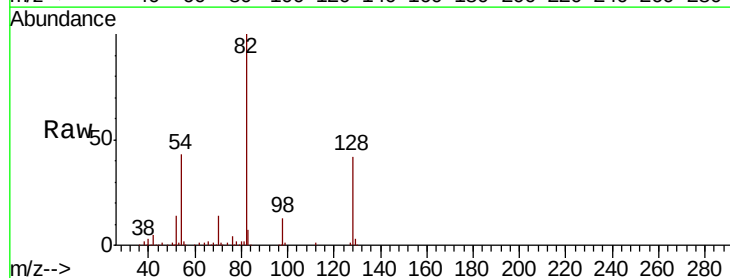
Ion Ratio Lower Upper

70 100

42 38.1 34.0 51.0

101 0.0 7.8 11.6#

130 2.1 17.8 26.8#

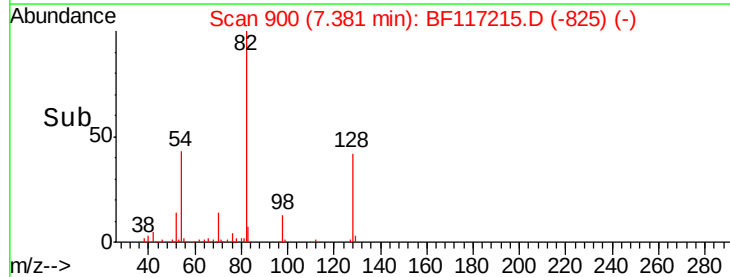
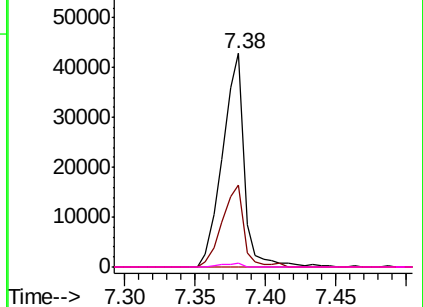


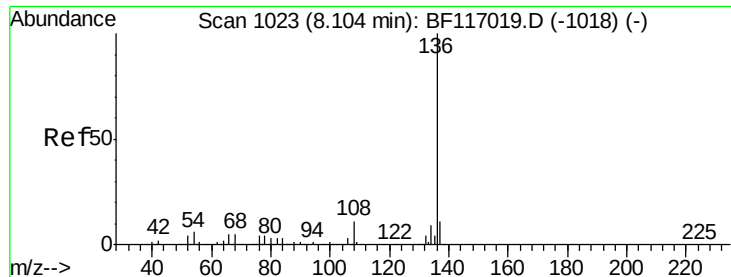
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

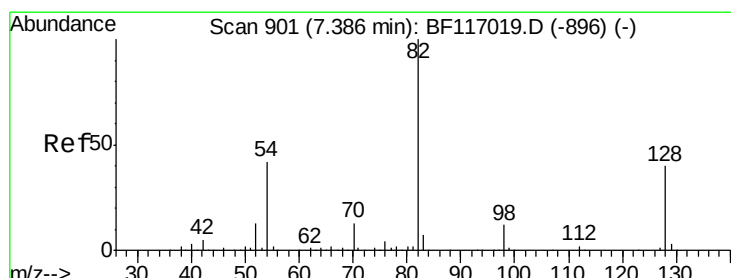
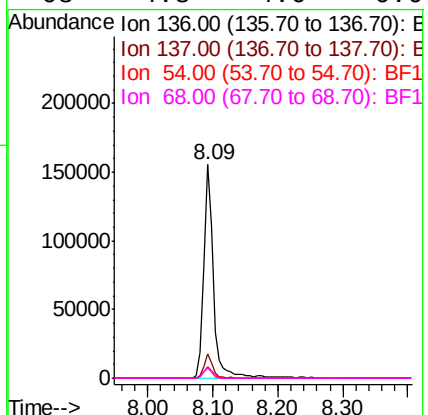
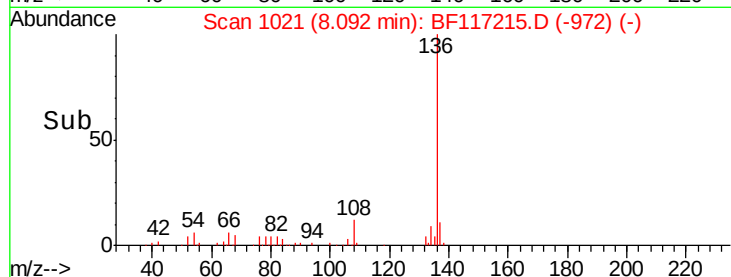
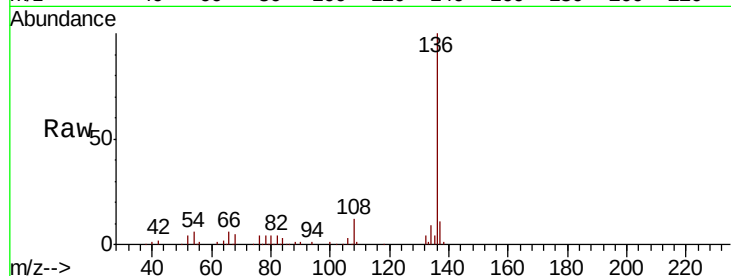




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117215.D
Acq: 24 Sep 2019 13:43

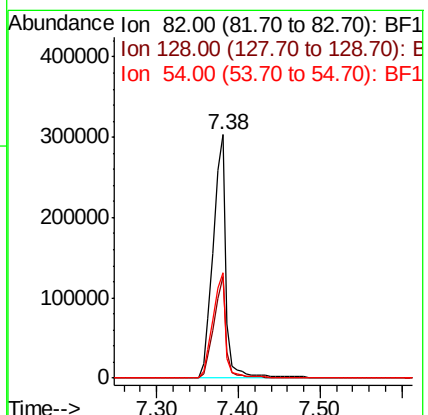
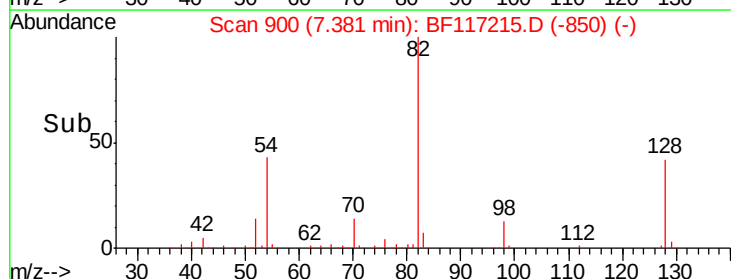
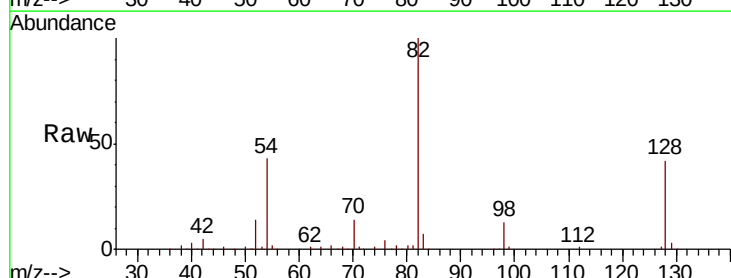
Instrument :
BNA_F
ClientSampled :

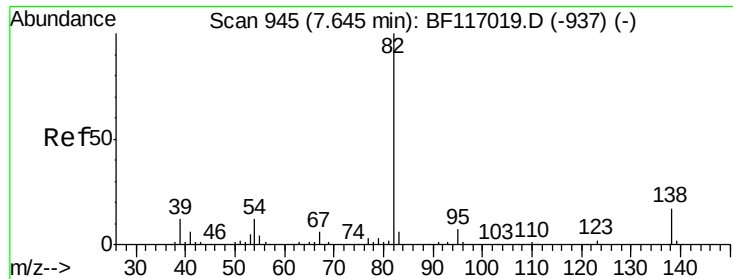
Tot Ion:136	Resp:	163049	
Ion Ratio	Lower	Upper	
136 100			
137 11.3	9.0	13.4	
54 5.6	4.5	6.7	
68 4.8	4.0	6.0	



#23
Nitrobenzene-d5
Concen: 108.589 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117215.D
Acq: 24 Sep 2019 13:43

Tgt Ion: 82	Resp: 336973
Ion Ratio	Lower Upper
82 100	
128 41.9	32.3 48.5
54 43.2	33.3 49.9





#25

Isophorone

Concen: 61.329 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF117215.D

Acq: 24 Sep 2019 13:43

Instrument :

BNA_F

ClientSampleId :

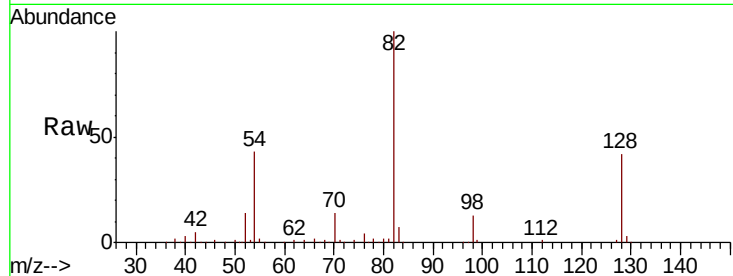
Tot Ion: 82 Resp: 336971

Ion Ratio Lower Upper

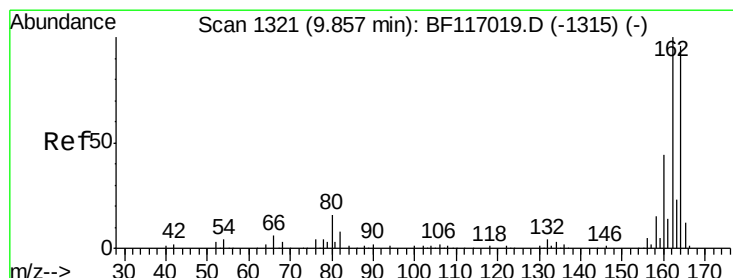
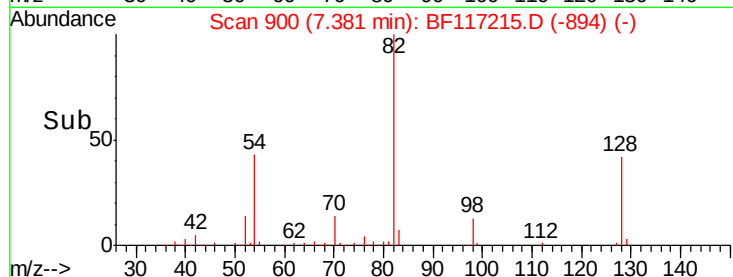
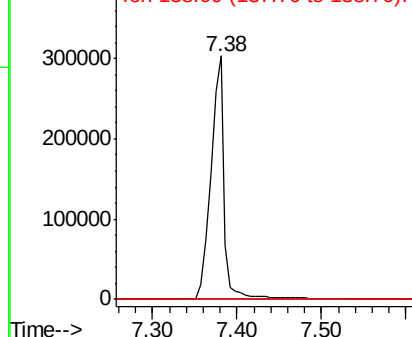
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF117215.D

Acq: 24 Sep 2019 13:43

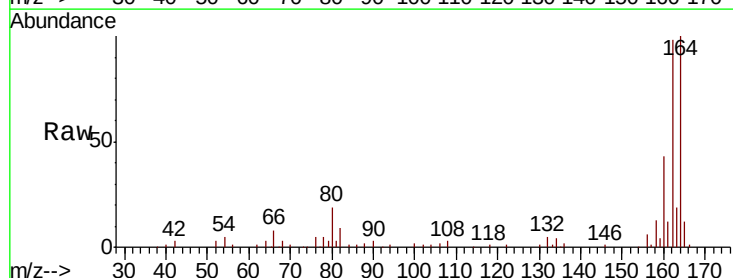
Tgt Ion: 164 Resp: 87924

Ion Ratio Lower Upper

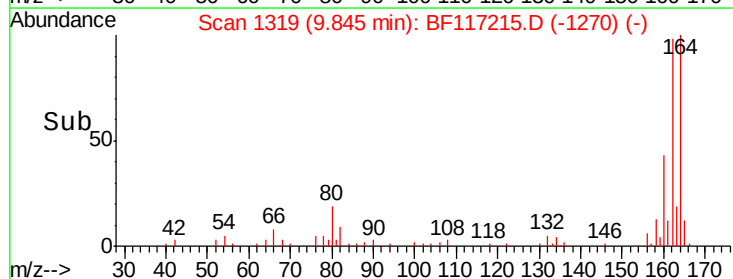
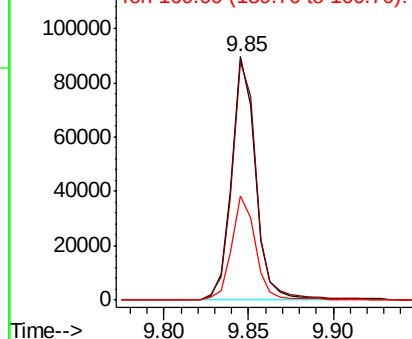
164 100

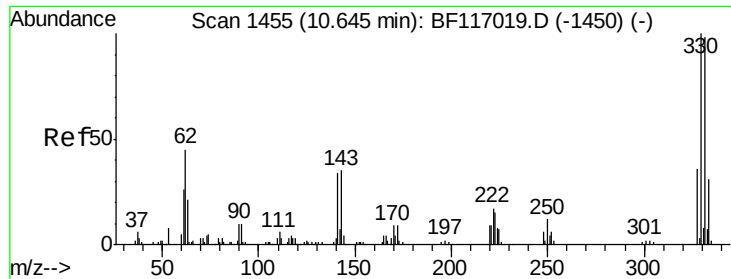
162 98.2 83.4 125.2

160 42.8 36.4 54.6



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

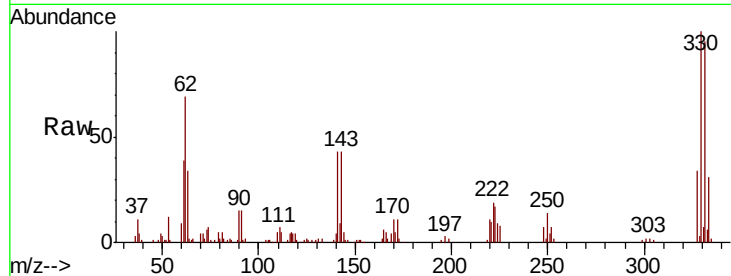




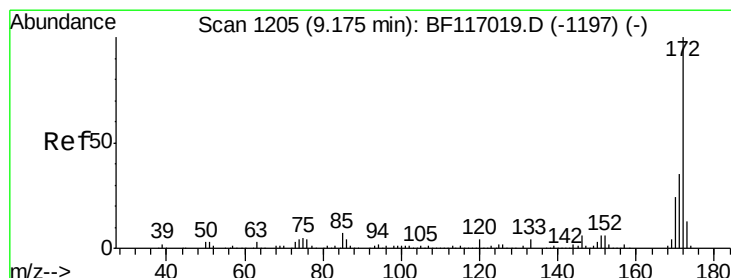
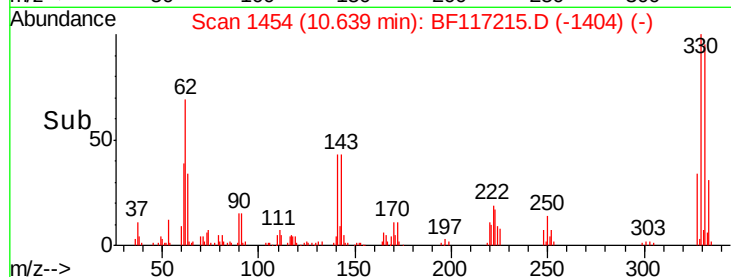
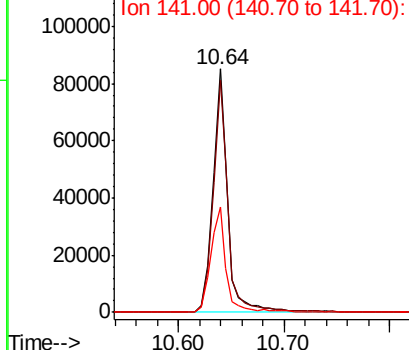
#42
 2,4,6-Tribromophenol
 Concen: 115.033 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117215.D
 Acq: 24 Sep 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 84531
 Ion Ratio Lower Upper
 330 100
 332 96.3 78.0 117.0
 141 44.6 35.8 53.6

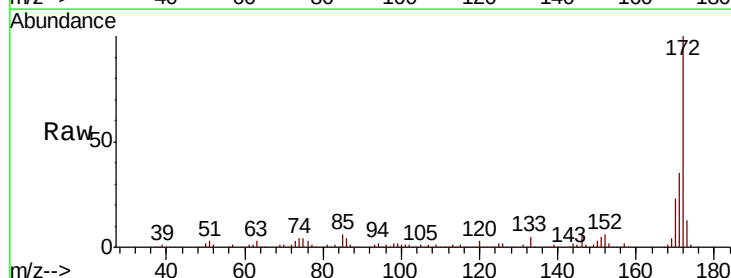


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

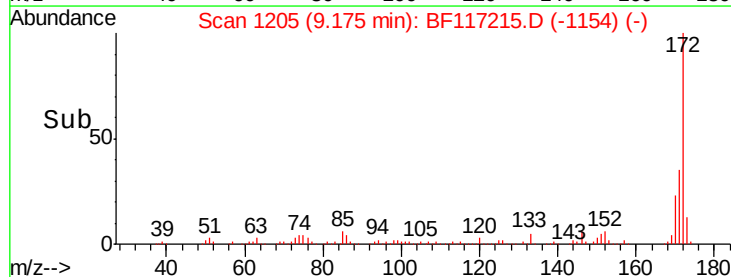
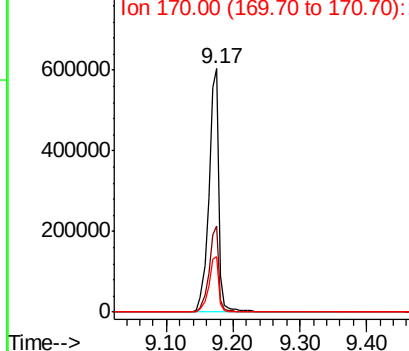


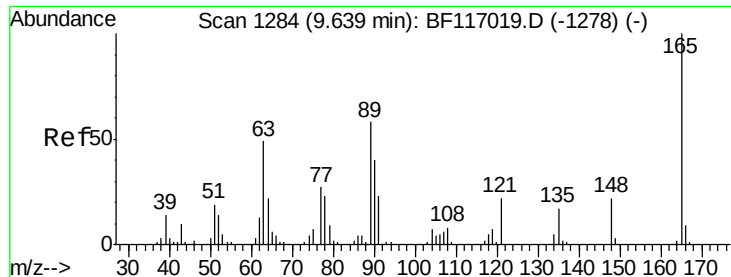
#45
 2-Fluorobiphenyl
 Concen: 111.355 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117215.D
 Acq: 24 Sep 2019 13:43

Tgt Ion:172 Resp: 626179
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.2 42.2
 170 22.9 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

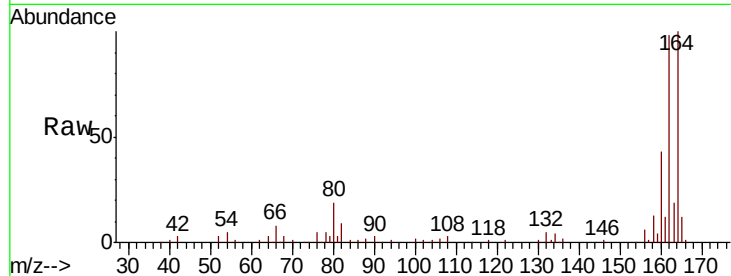




#51
 2,6-Dinitrotoluene
 Concen: 8.306 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF117215.D
 Acq: 24 Sep 2019 13:43

Instrument :
 BNA_F
 ClientSampled :

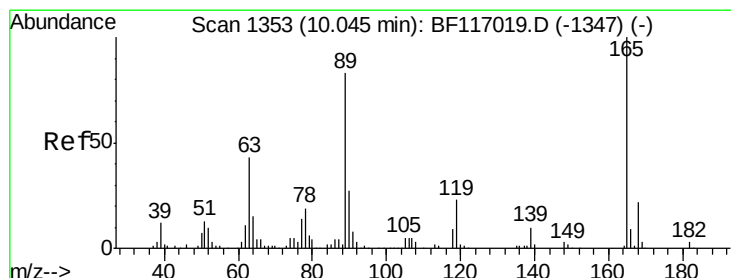
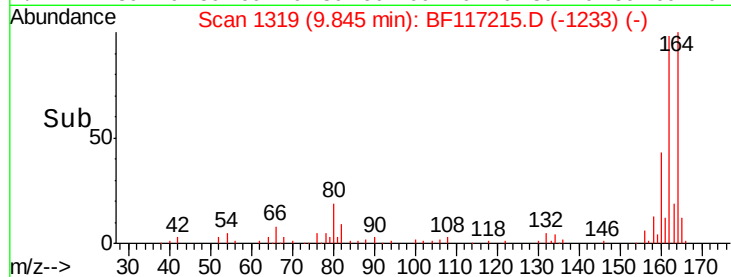
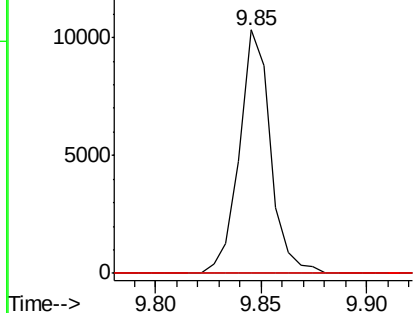
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#



Abundance Ion 165.00 (164.70 to 165.70): E

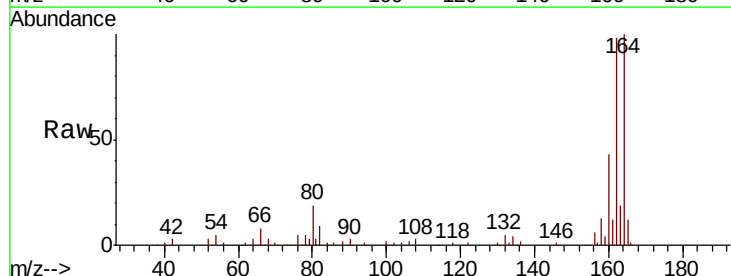
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57
 2,4-Dinitrotoluene
 Concen: 6.399 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF117215.D
 Acq: 24 Sep 2019 13:43

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#

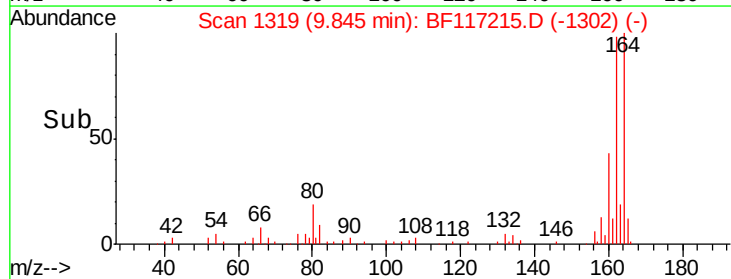
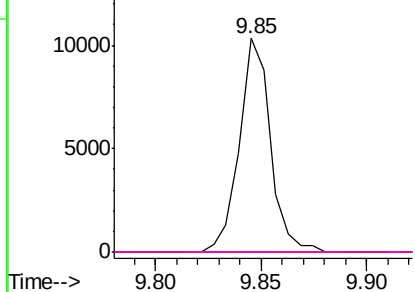


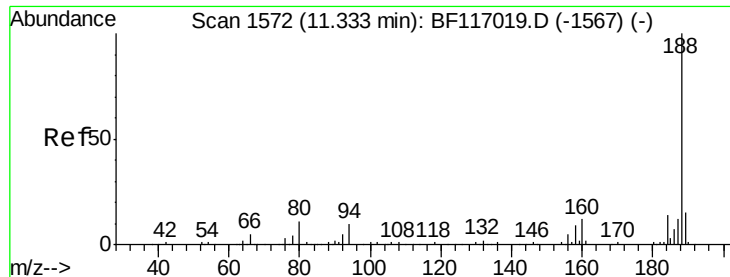
Abundance Ion 165.00 (164.70 to 165.70): E

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

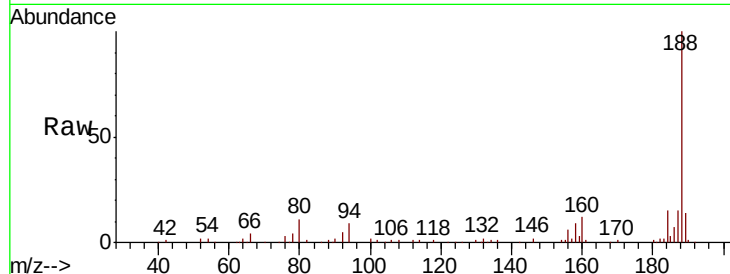




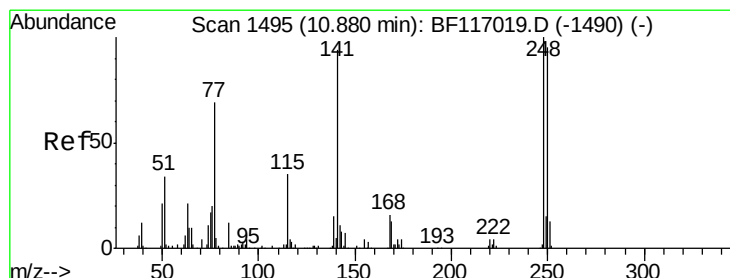
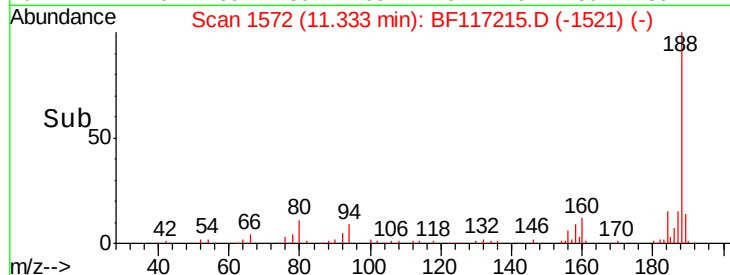
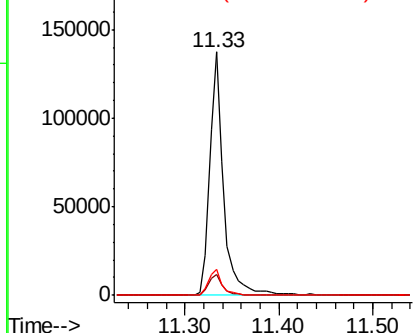
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117215.D
Acq: 24 Sep 2019 13:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 143355
Ion Ratio Lower Upper
188 100
94 8.7 8.2 12.2
80 10.7 9.0 13.6

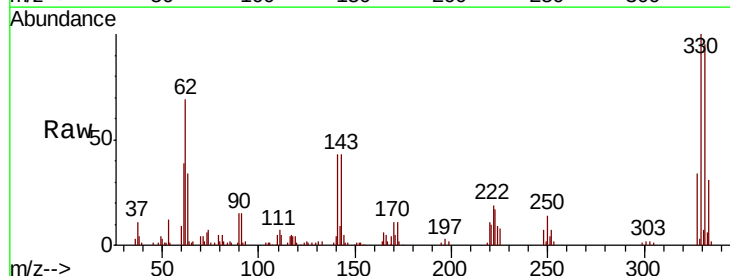


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

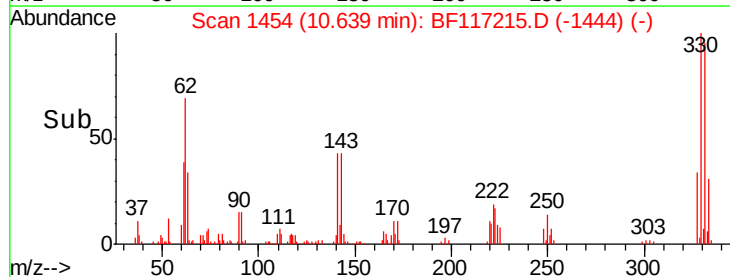
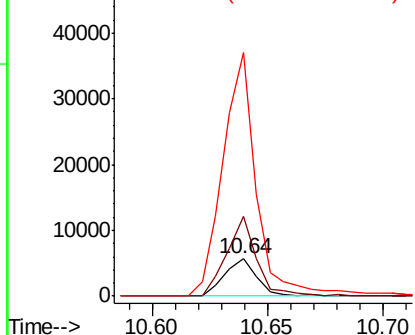


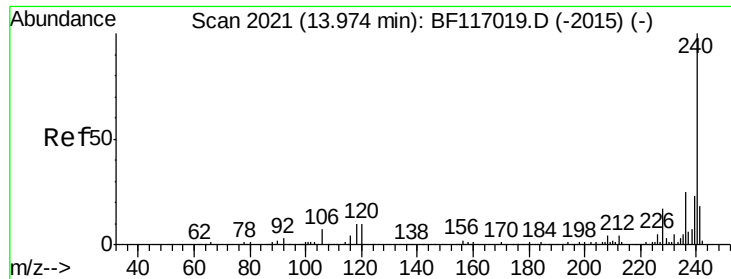
#67
4-Bromophenyl-phenylether
Concen: 3.781 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117215.D
Acq: 24 Sep 2019 13:43

Tgt Ion:248 Resp: 5535
Ion Ratio Lower Upper
248 100
250 212.9 76.2 114.4#
141 654.6 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

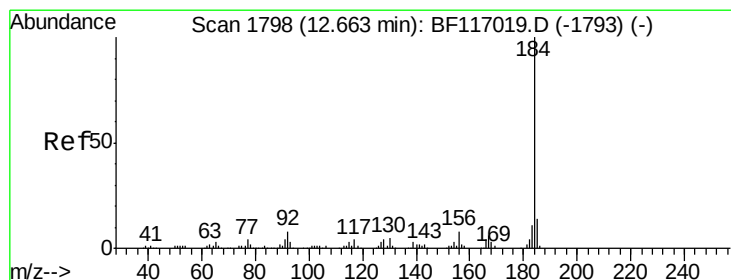
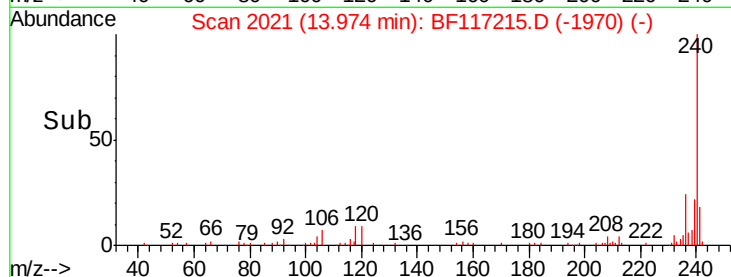
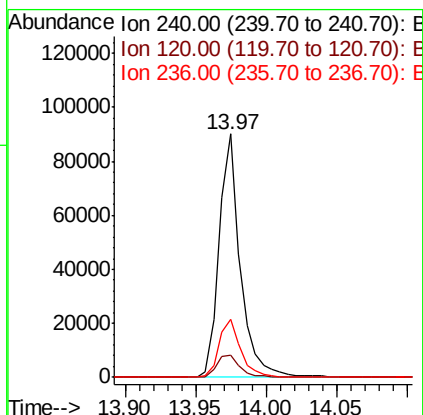
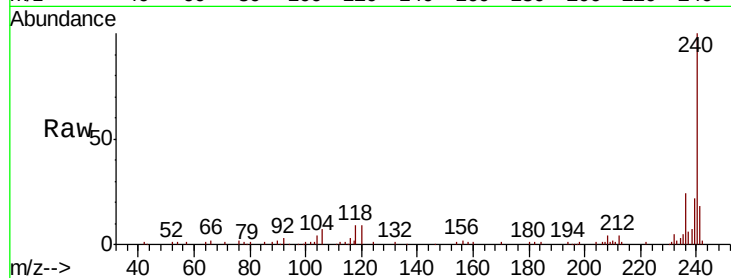




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BF117215.D
 Acq: 24 Sep 2019 13:43

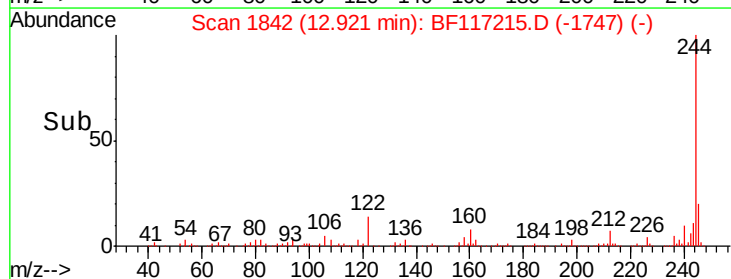
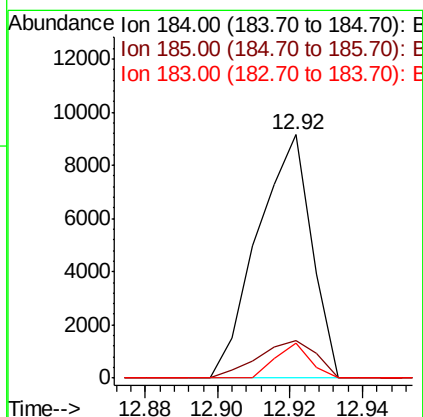
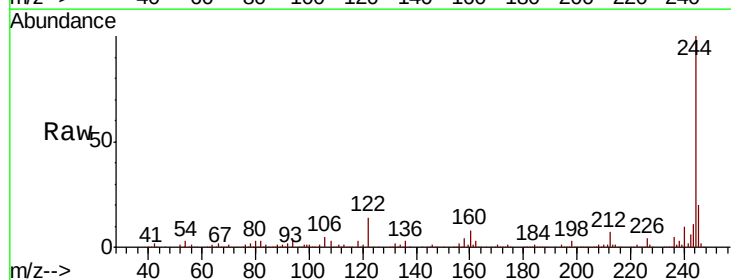
Instrument :
 BNA_F
 ClientSampleId :

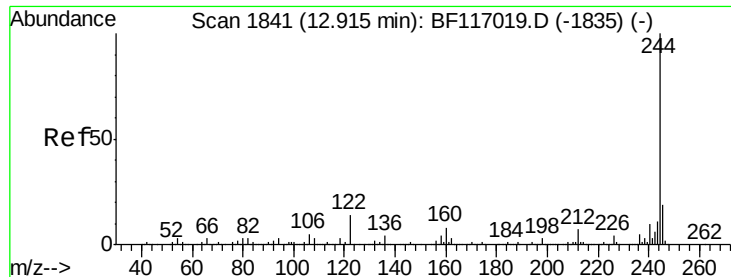
Tot Ion:240 Resp: 93986
 Ion Ratio Lower Upper
 240 100
 120 9.0 8.3 12.5
 236 24.1 20.3 30.5



#77
 Benzidine
 Concen: 3.126 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.26 min
 Lab File: BF117215.D
 Acq: 24 Sep 2019 13:43

Tgt Ion:184 Resp: 9464
 Ion Ratio Lower Upper
 184 100
 185 15.6 11.6 17.4
 183 14.5 9.0 13.4#

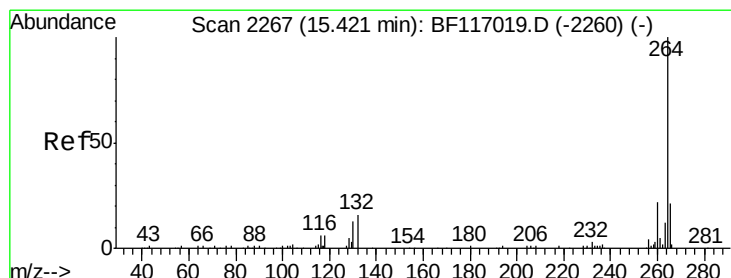
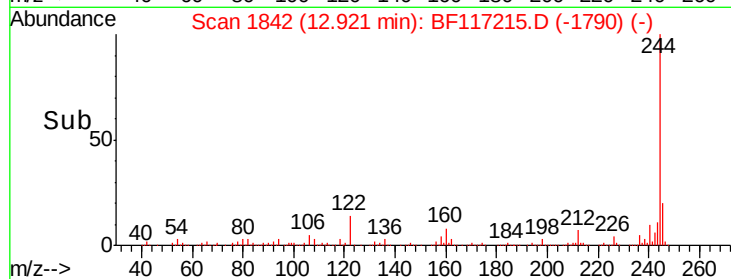
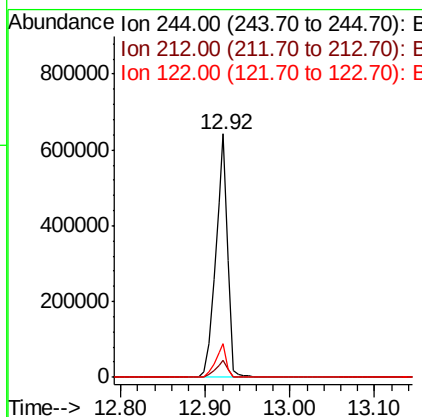
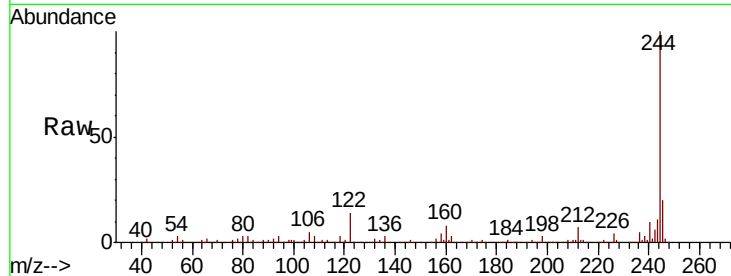




#79
 Terphenyl-d14
 Concen: 127.461 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: BF117215.D
 Acq: 24 Sep 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 640882
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 13.6 11.3 16.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF117215.D
 Acq: 24 Sep 2019 13:43

Tgt Ion:264 Resp: 76639
 Ion Ratio Lower Upper
 264 100
 260 22.0 17.6 26.4
 265 20.1 16.6 24.8

