

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
 Data File : BF117251.D
 Acq On : 25 Sep 2019 20:12
 Operator : JU
 Sample : K5020-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 02:31:03 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

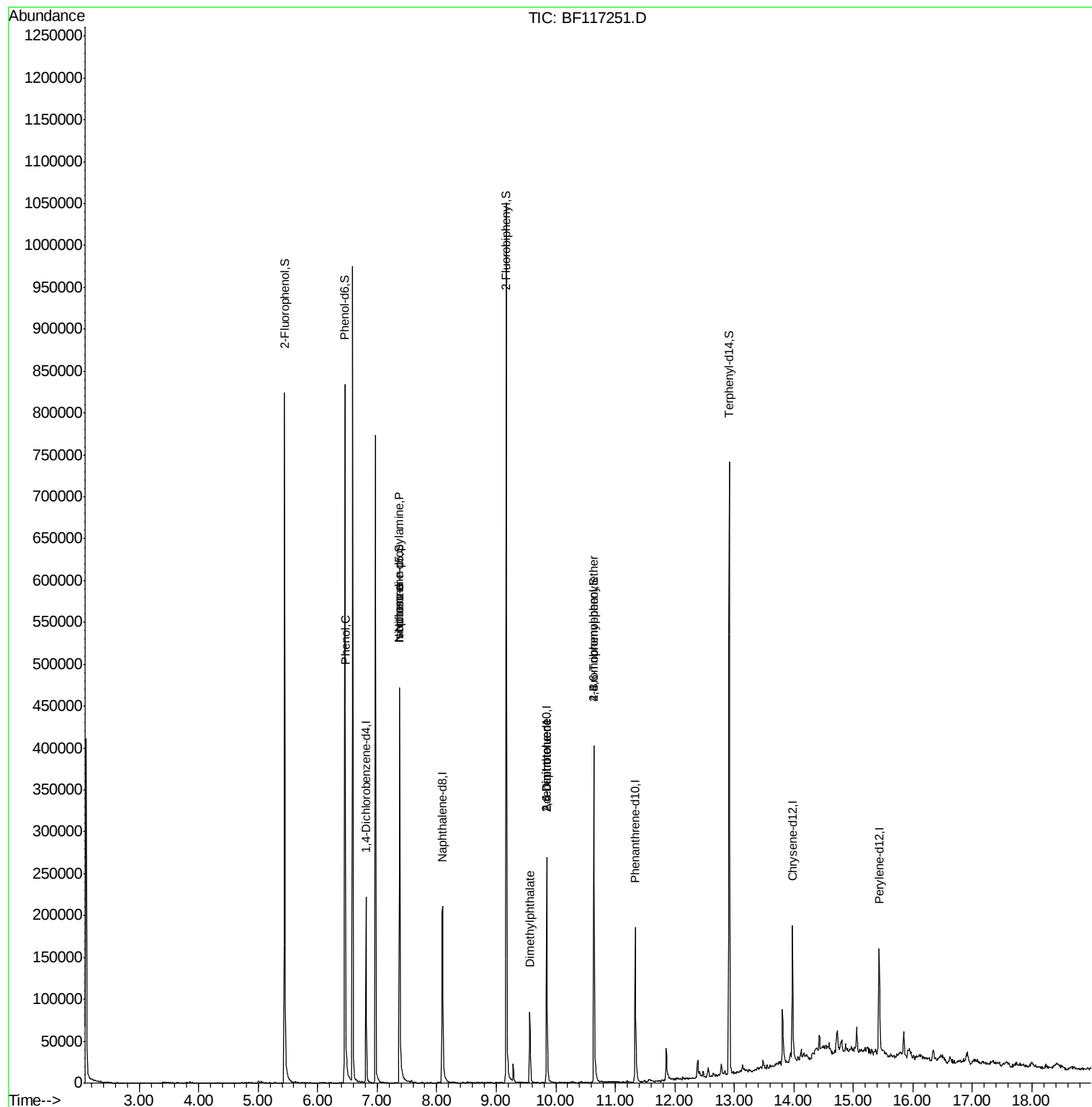
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	37377	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	140285	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	66203	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	88640	20.00	ng	0.00
76) Chrysene-d12	13.97	240	58459	20.00	ng	0.00
87) Perylene-d12	15.43	264	62101	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	232074	96.94	ng	0.00
7) Phenol-d6	6.46	99	307816	99.49	ng	0.00
23) Nitrobenzene-d5	7.37	82	195991	73.41	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	51404	92.90	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	336442	79.46	ng	0.00
79) Terphenyl-d14	12.92	244	228256	72.98	ng	0.00
Target Compounds						
9) Benzaldehyde	6.45	77	493	Below Cal	Qvalue	# 1
10) Phenol	6.47	94	8642	2.534 ng		89
19) n-Nitroso-di-n-propylamine	7.37	70	25277	13.417 ng	#	80
25) Isophorone	7.37	82	195990	41.459 ng	#	66
50) Dimethylphthalate	9.56	163	43664	9.315 ng		97
51) 2,6-Dinitrotoluene	9.85	165	8480	8.882 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	8480	6.843 ng	#	18
67) 4-Bromophenyl-phenylether	10.64	248	3257	3.598 ng	#	1

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

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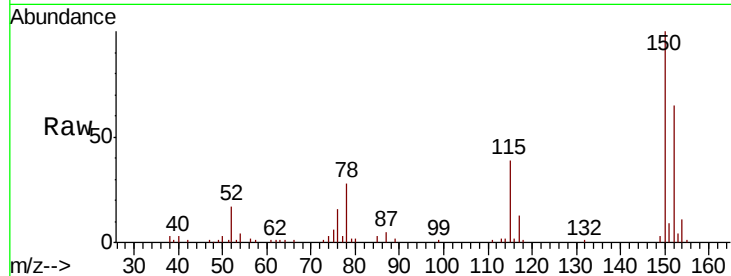




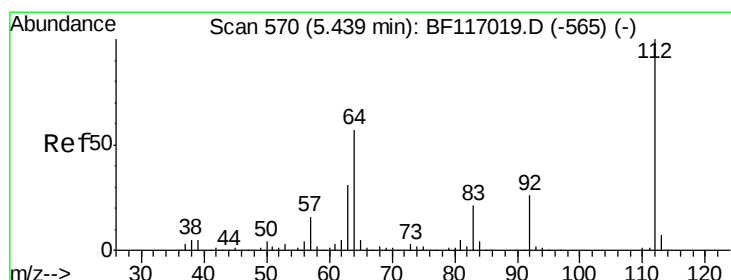
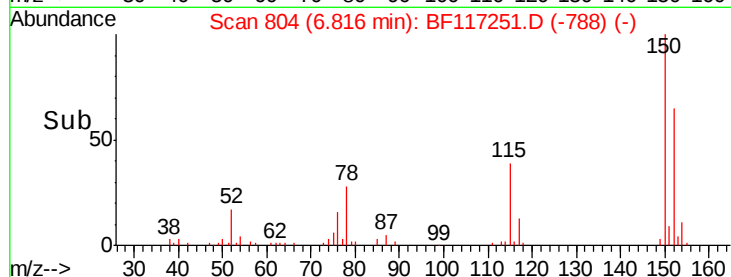
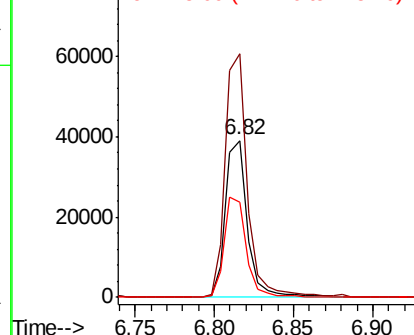
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF117251.D
 Acq: 25 Sep 2019 20:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 37377
 Ion Ratio Lower Upper
 152 100
 150 154.9 127.5 191.3
 115 60.6 55.0 82.4

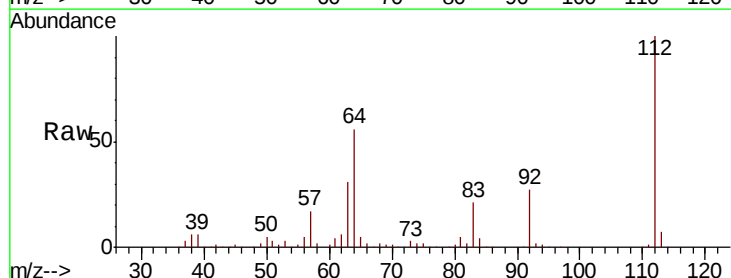


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

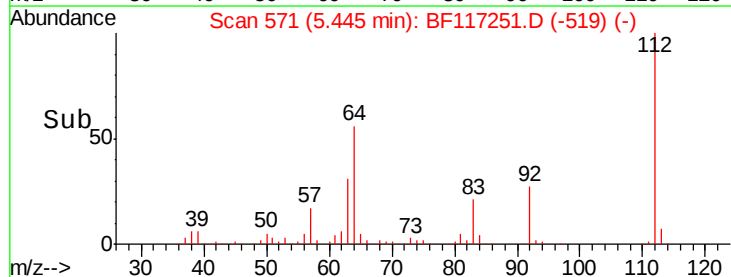
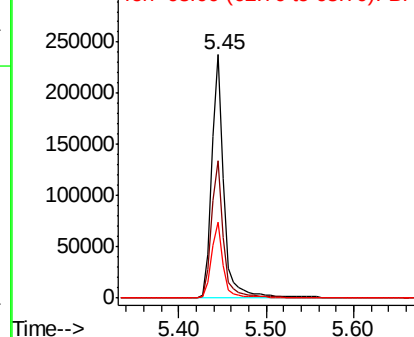


#5
 2-Fluorophenol
 Concen: 96.938 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF117251.D
 Acq: 25 Sep 2019 20:12

Tgt Ion:112 Resp: 232074
 Ion Ratio Lower Upper
 112 100
 64 56.4 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: 99.489 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF117251.D

Acq: 25 Sep 2019 20:12

Instrument :

BNA_F

ClientSampleId :

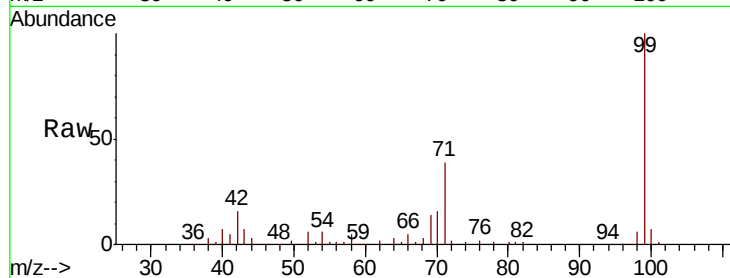
Tot Ion: 99 Resp: 307816

Ion Ratio Lower Upper

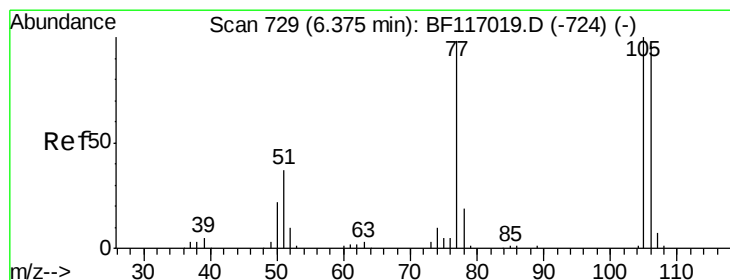
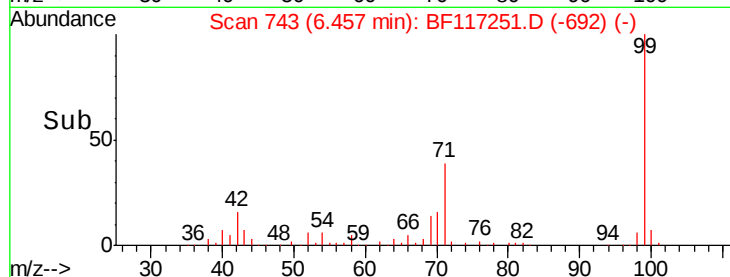
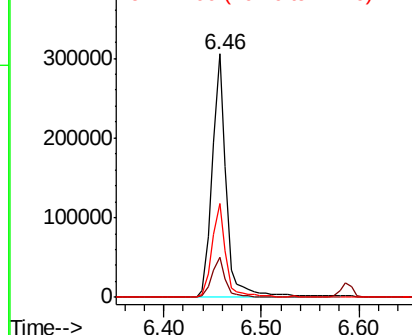
99 100

42 16.3 12.2 18.2

71 38.6 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: 6.45 min Scan# 742

Delta R.T. 0.08 min

Lab File: BF117251.D

Acq: 25 Sep 2019 20:12

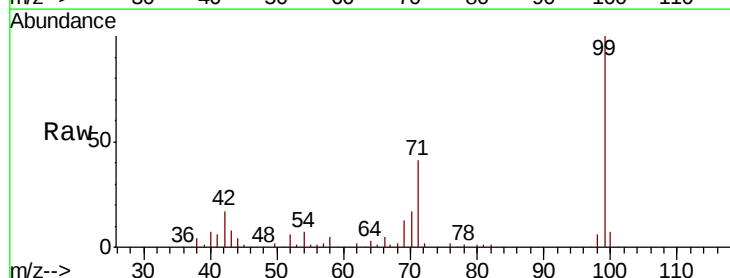
Tgt Ion: 77 Resp: 493

Ion Ratio Lower Upper

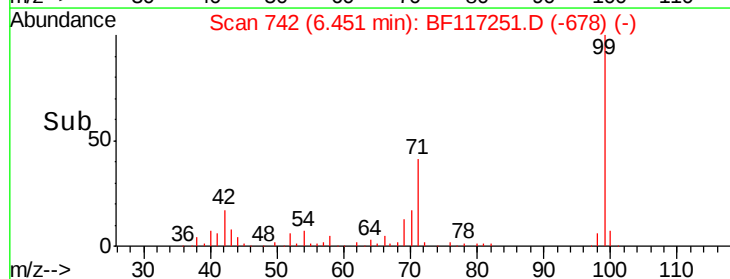
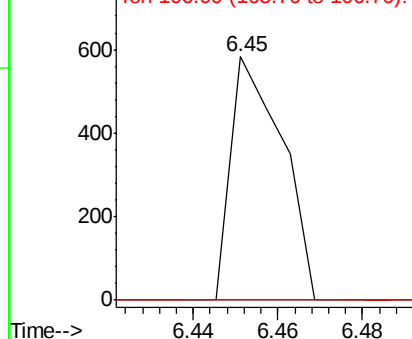
77 100

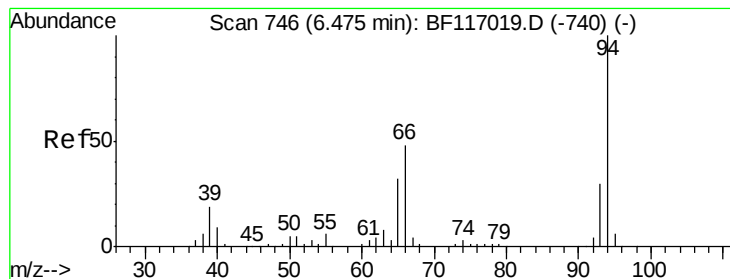
105 0.0 81.8 121.8#

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





#10

Phenol

Concen: 2.534 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF117251.D

Acq: 25 Sep 2019 20:12

Instrument :

BNA_F

ClientSampleId :

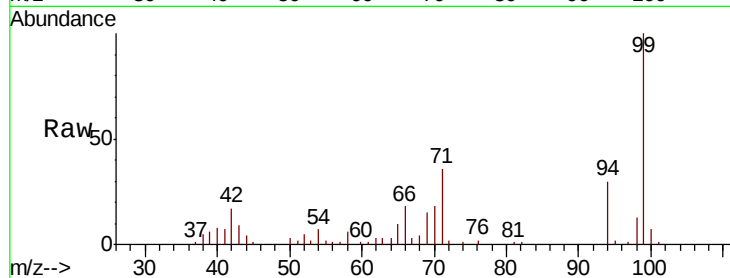
Tot Ion: 94 Resp: 8642

Ion Ratio Lower Upper

94 100

65 31.9 12.5 52.5

66 61.0 28.9 68.9

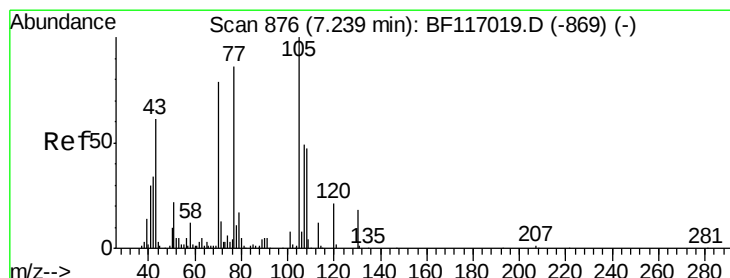
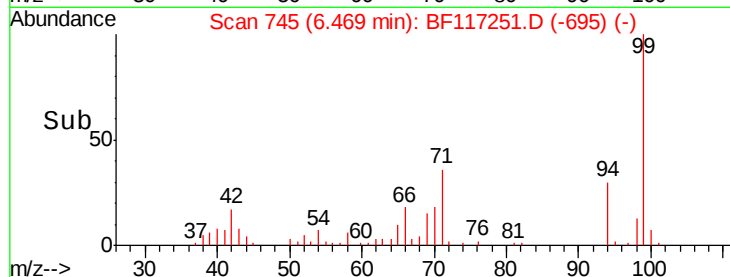
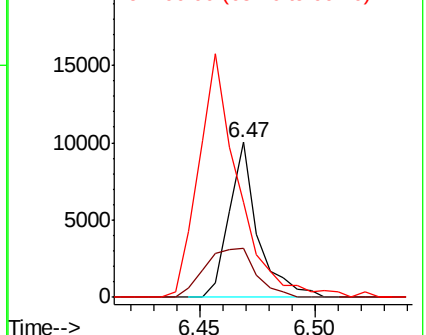


Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.417 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF117251.D

Acq: 25 Sep 2019 20:12

Tgt Ion: 70 Resp: 25277

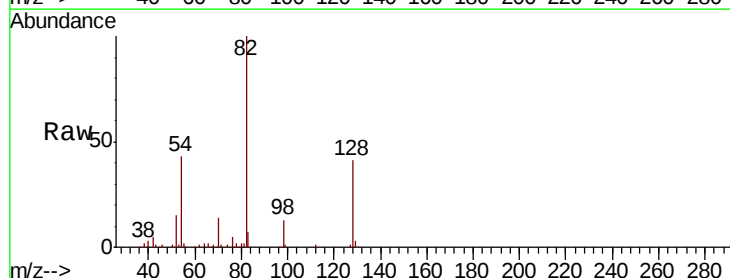
Ion Ratio Lower Upper

70 100

42 38.9 34.0 51.0

101 0.0 7.8 11.6#

130 1.5 17.8 26.8#



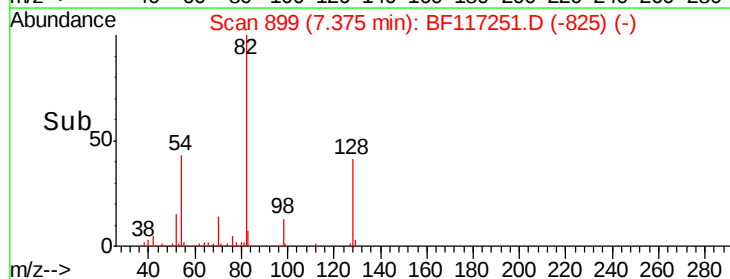
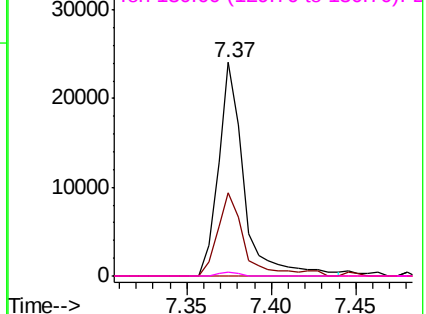
Abundance

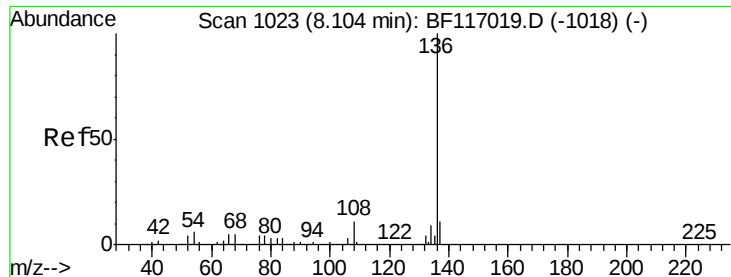
Ion 70.00 (69.70 to 70.70): BF1

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: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF117251.D

Acq: 25 Sep 2019 20:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 140285

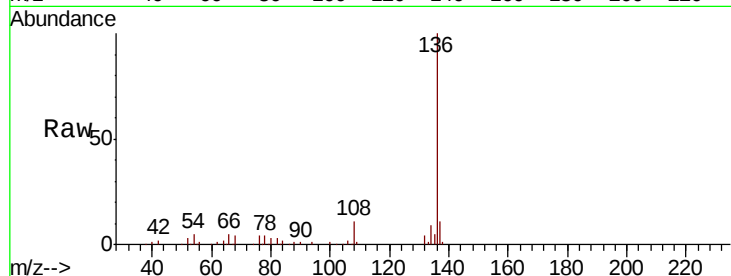
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.4

54 4.9 4.5 6.7

68 4.1 4.0 6.0

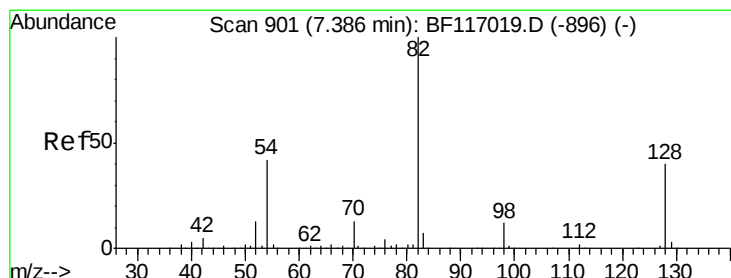
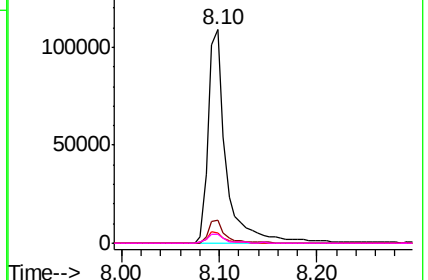
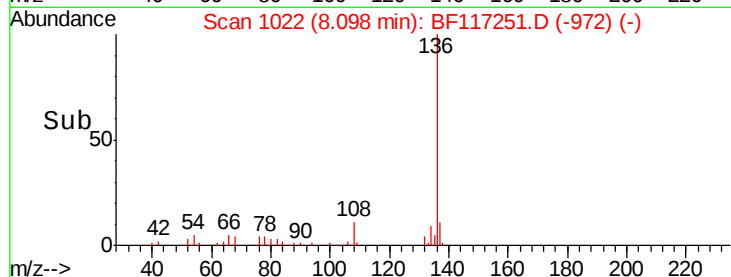


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.407 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF117251.D

Acq: 25 Sep 2019 20:12

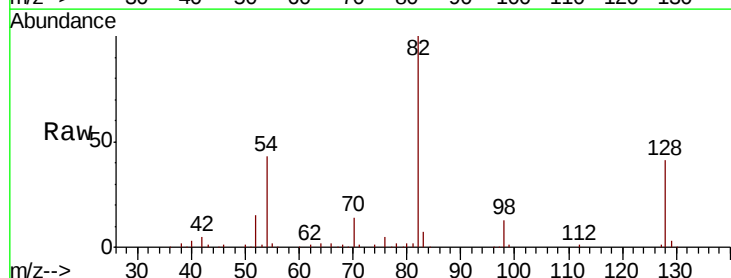
Tgt Ion: 82 Resp: 195991

Ion Ratio Lower Upper

82 100

128 40.7 32.3 48.5

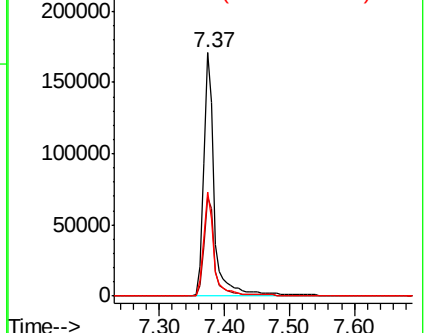
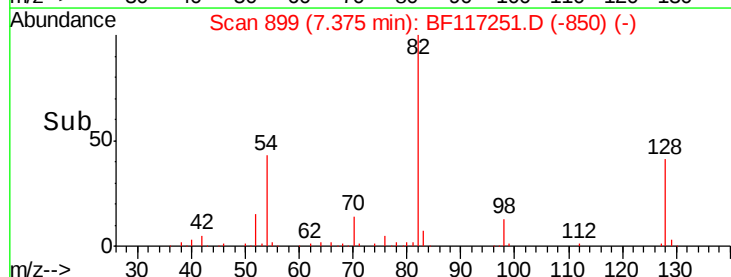
54 42.8 33.3 49.9

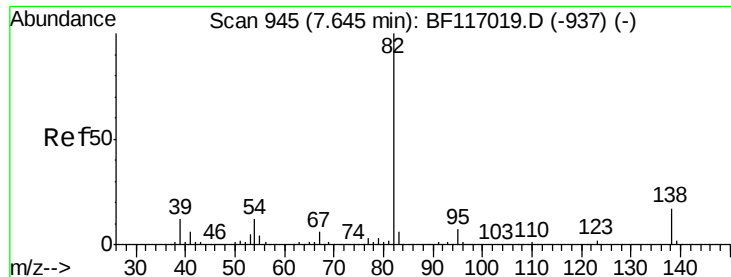


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.459 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.27 min

Lab File: BF117251.D

Acq: 25 Sep 2019 20:12

Instrument :

BNA_F

ClientSampled :

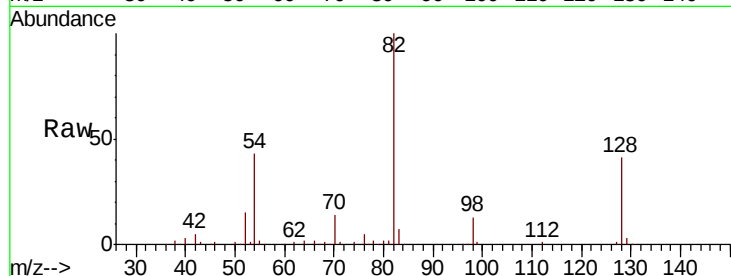
Tot Ion: 82 Resp: 195990

Ion Ratio Lower Upper

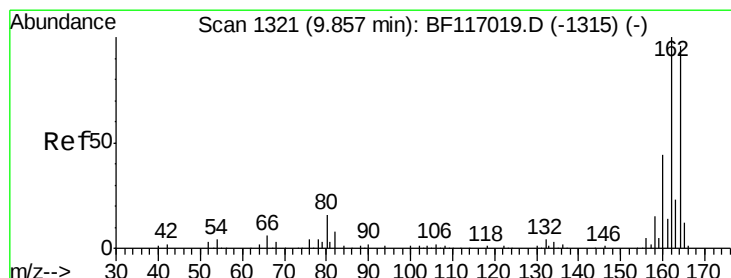
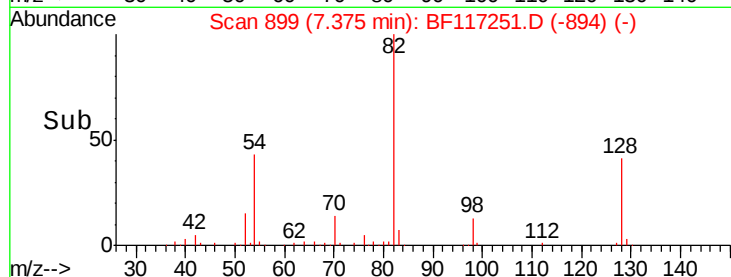
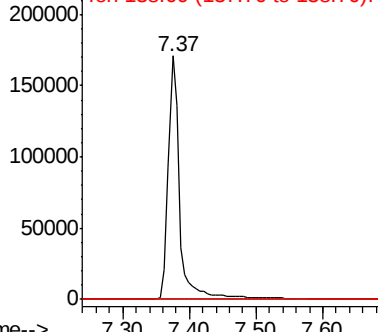
82 100

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# 1319

Delta R.T. -0.01 min

Lab File: BF117251.D

Acq: 25 Sep 2019 20:12

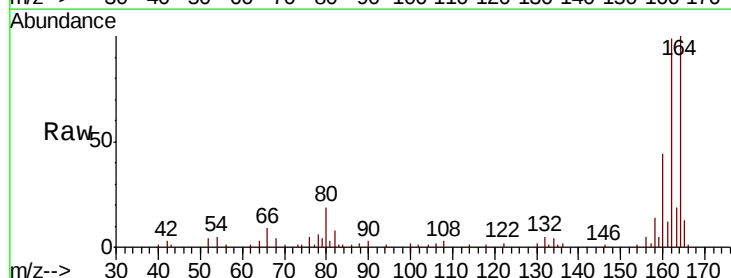
Tgt Ion: 164 Resp: 66203

Ion Ratio Lower Upper

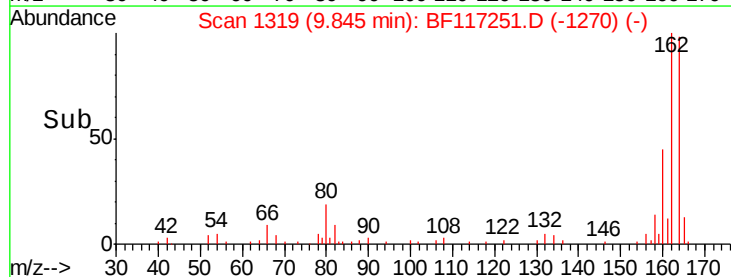
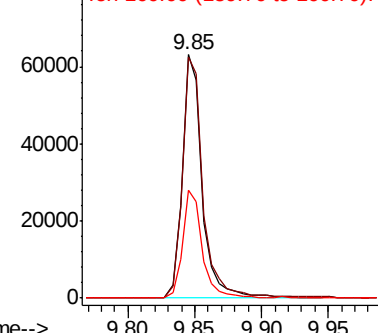
164 100

162 99.0 83.4 125.2

160 44.3 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: 92.903 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117251.D

Acq: 25 Sep 2019 20:12

Instrument :

BNA_F

ClientSampleId :

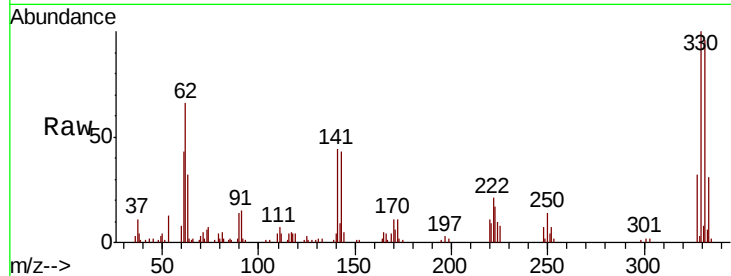
Tot Ion:330 Resp: 51404

Ion Ratio Lower Upper

330 100

332 95.4 78.0 117.0

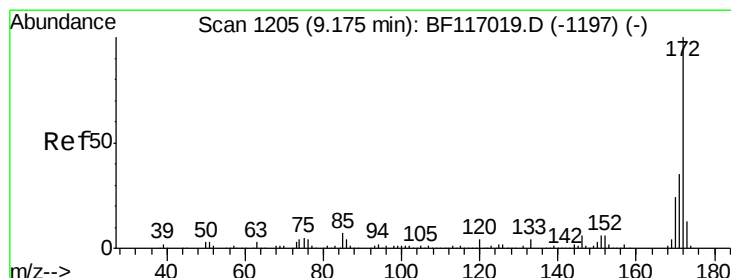
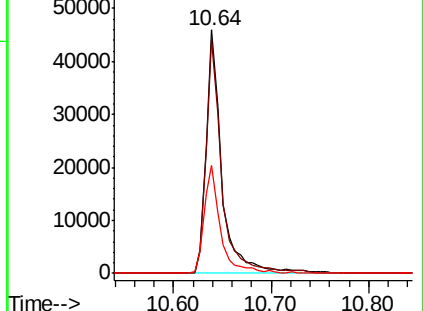
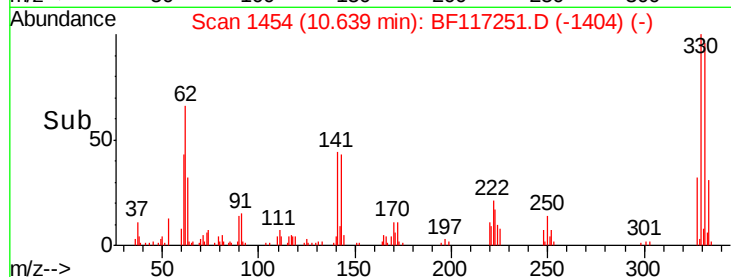
141 45.6 35.8 53.6



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: 79.460 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF117251.D

Acq: 25 Sep 2019 20:12

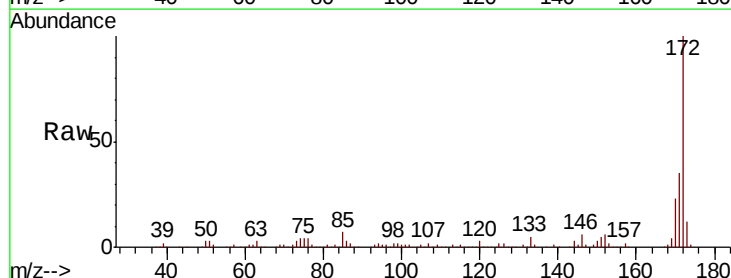
Tgt Ion:172 Resp: 336442

Ion Ratio Lower Upper

172 100

171 34.7 28.2 42.2

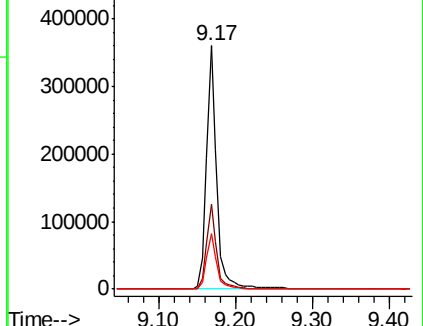
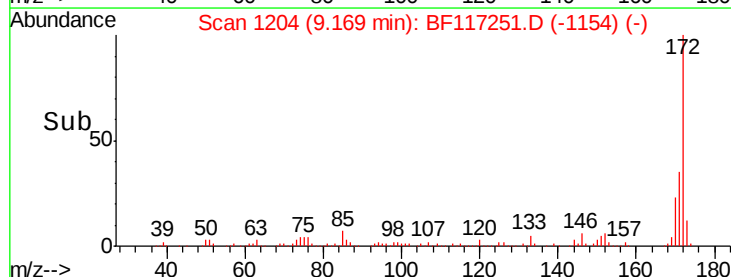
170 22.6 18.9 28.3

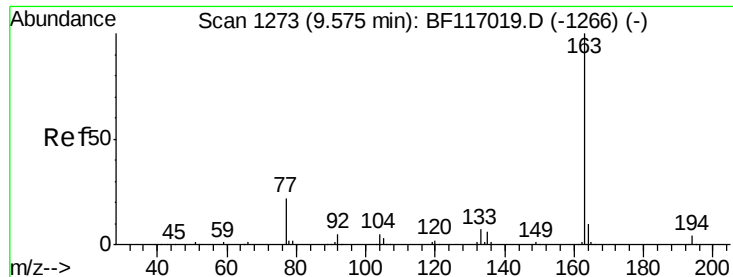


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

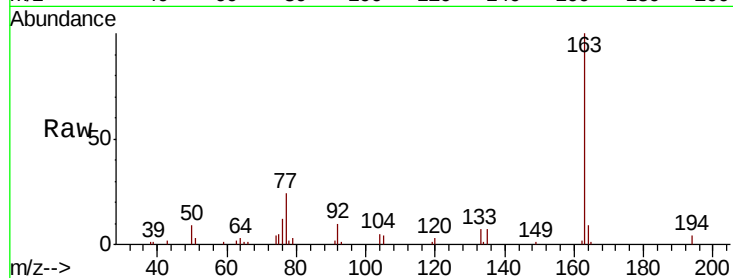




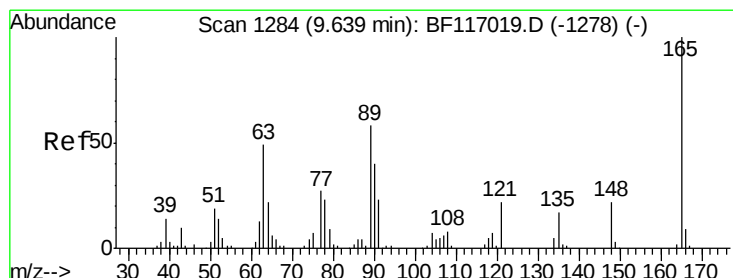
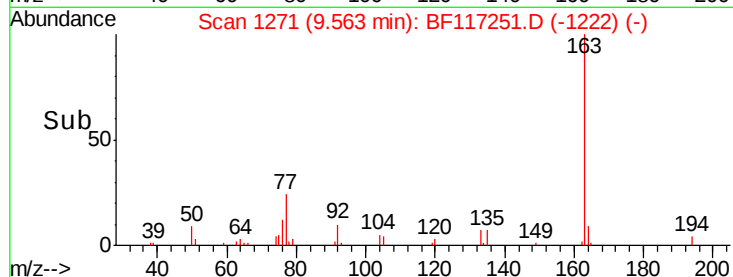
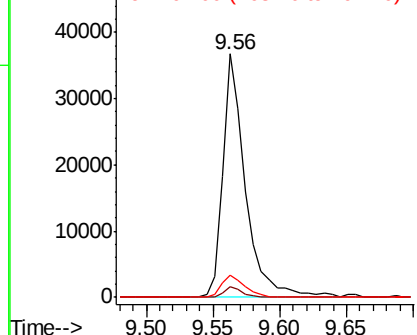
#50
Dimethylphthalate
Concen: 9.315 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117251.D
Acq: 25 Sep 2019 20:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 43664
Ion Ratio Lower Upper
163 100
194 4.2 2.9 4.3
164 9.2 8.2 12.4

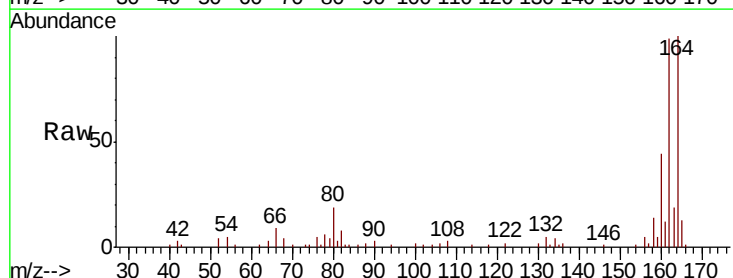


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

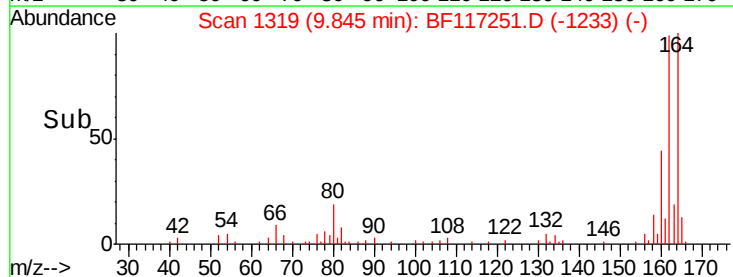
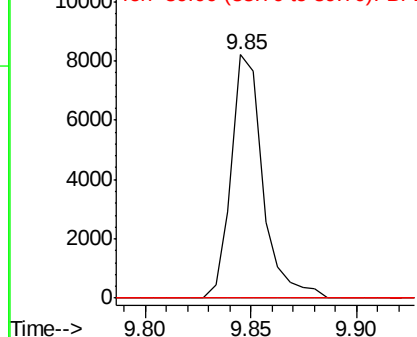


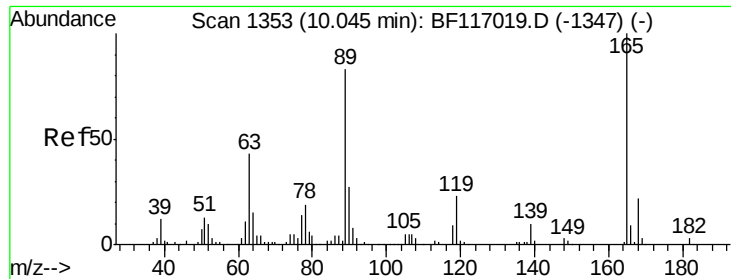
#51
2,6-Dinitrotoluene
Concen: 8.882 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.21 min
Lab File: BF117251.D
Acq: 25 Sep 2019 20:12

Tgt Ion:165 Resp: 8480
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

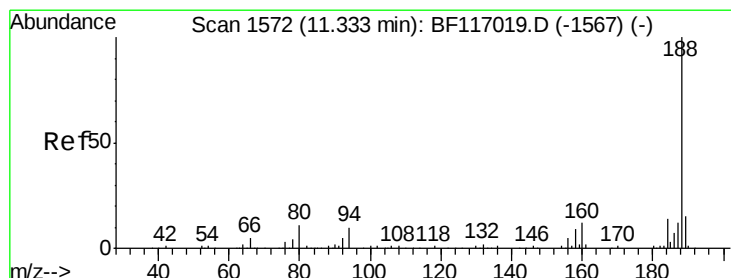
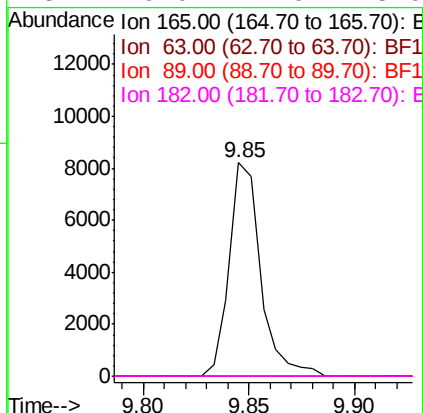
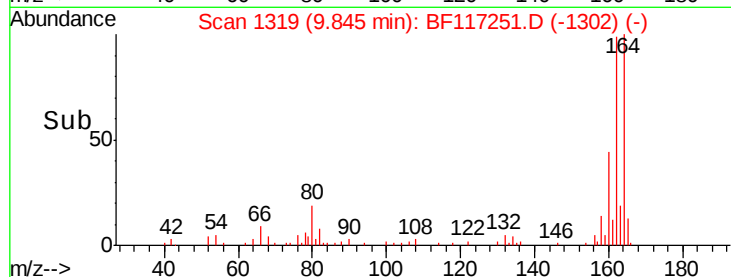
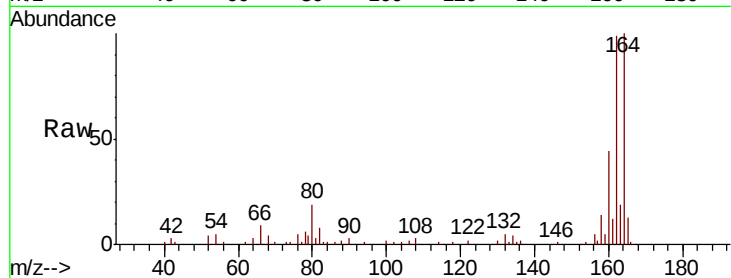




#57
 2,4-Dinitrotoluene
 Concen: 6.843 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF117251.D
 Acq: 25 Sep 2019 20:12

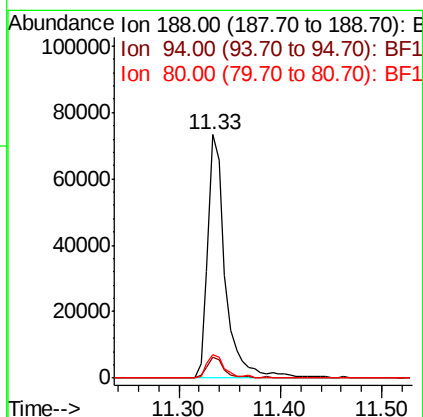
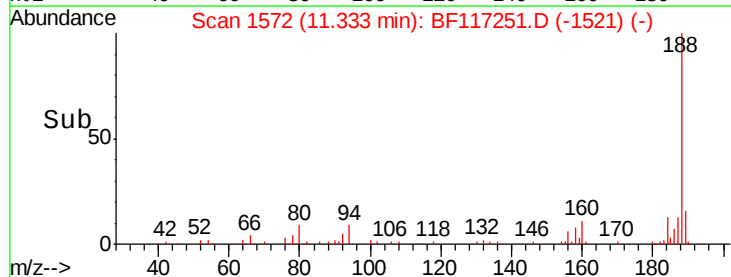
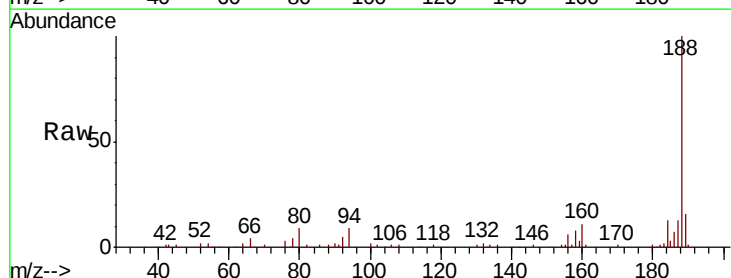
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 8480
 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: BF117251.D
 Acq: 25 Sep 2019 20:12

Tgt Ion:188 Resp: 88640
 Ion Ratio Lower Upper
 188 100
 94 8.8 8.2 12.2
 80 9.4 9.0 13.6

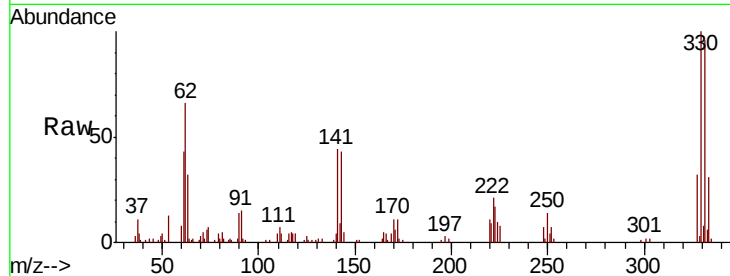




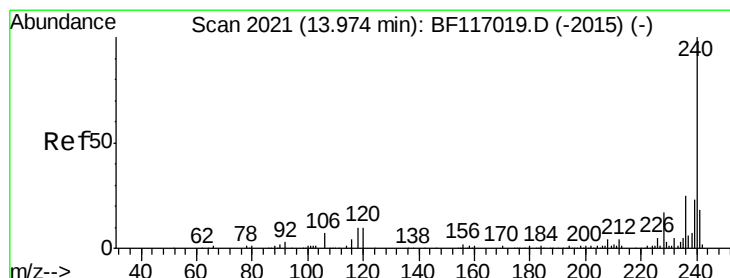
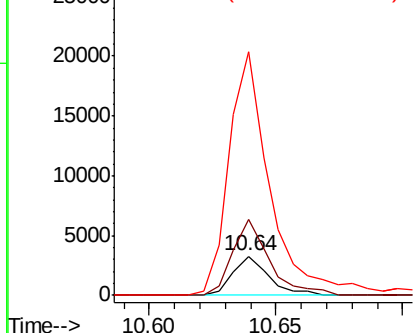
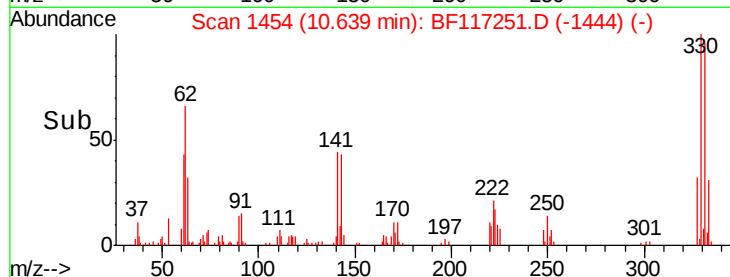
#67
 4-Bromophenyl-phenylether
 Concen: 3.598 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117251.D
 Acq: 25 Sep 2019 20:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 3257
 Ion Ratio Lower Upper
 248 100
 250 195.2 76.2 114.4#
 141 624.3 75.0 112.4#

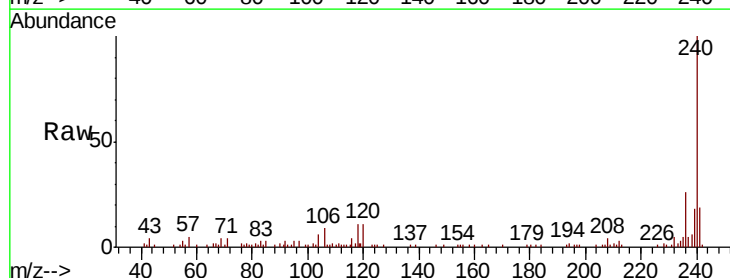


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

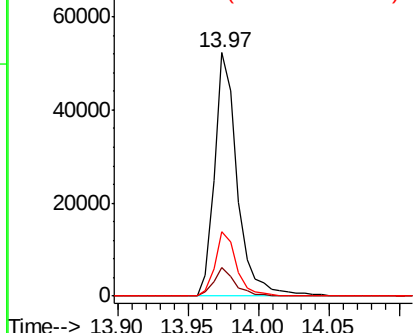
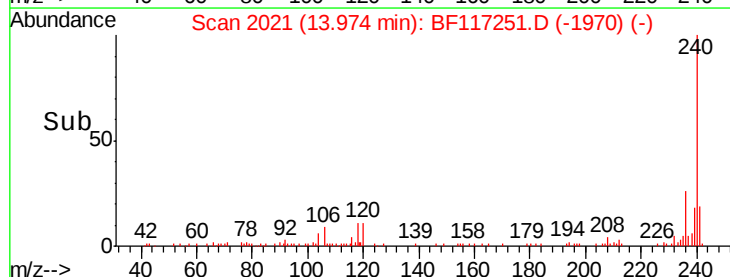


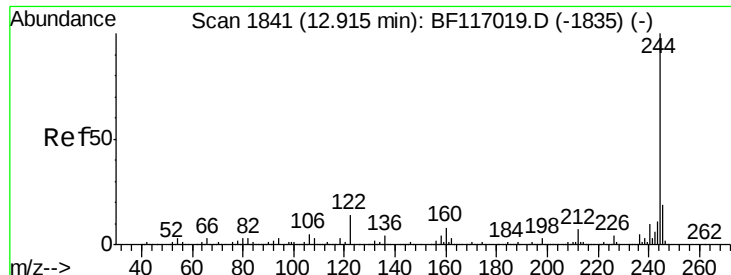
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF117251.D
 Acq: 25 Sep 2019 20:12

Tgt Ion:240 Resp: 58459
 Ion Ratio Lower Upper
 240 100
 120 11.5 8.3 12.5
 236 26.2 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

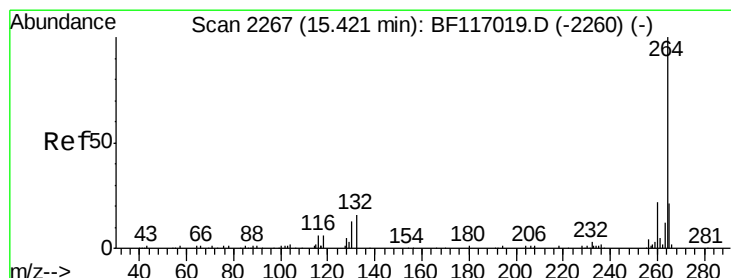
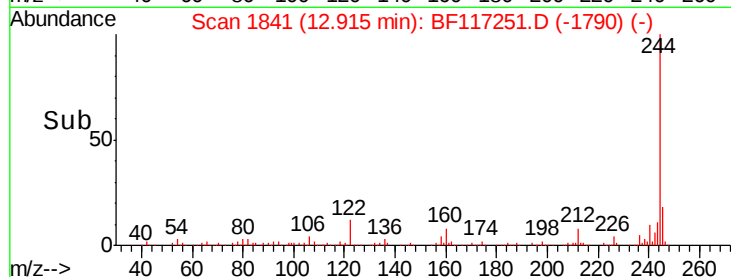
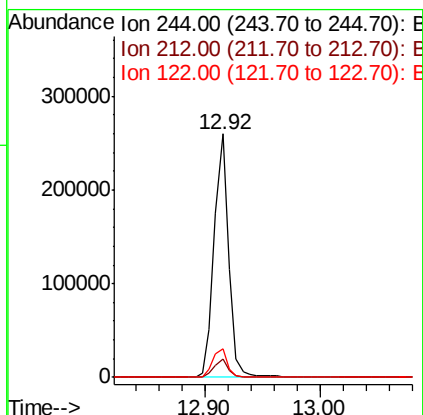
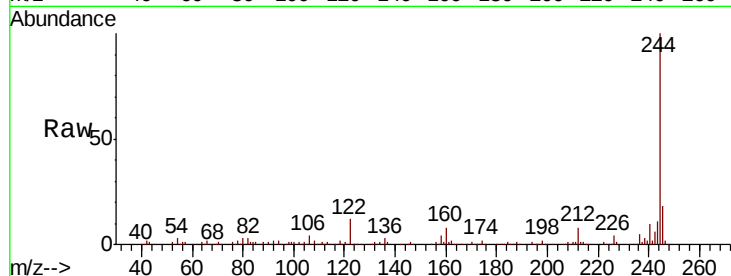




#79
 Terphenyl-d14
 Concen: 72.985 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF117251.D
 Acq: 25 Sep 2019 20:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 228256
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.8
 122 11.7 11.3 16.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117251.D
 Acq: 25 Sep 2019 20:12

Tgt Ion:264 Resp: 62101
 Ion Ratio Lower Upper
 264 100
 260 24.0 17.6 26.4
 265 21.6 16.6 24.8

