

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
 Data File : BF117231.D
 Acq On : 24 Sep 2019 22:20
 Operator : JU
 Sample : K4664-15
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 25 02:40:35 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

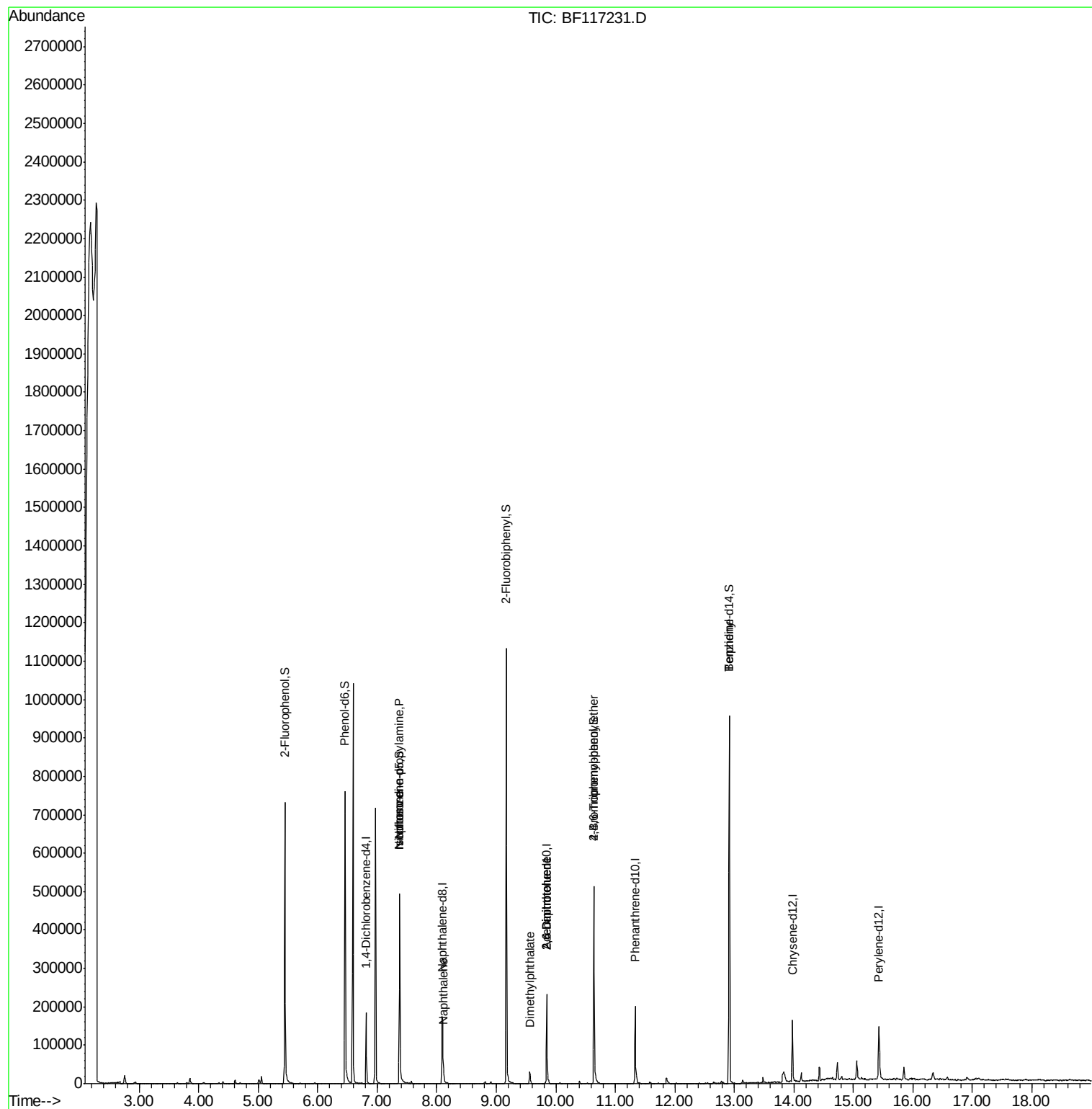
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	27649	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	107028	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	54085	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	79078	20.00	ng	0.00
76) Chrysene-d12	13.97	240	59648	20.00	ng	0.00
87) Perylene-d12	15.43	264	56600	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	233230	131.70	ng	0.01
7) Phenol-d6	6.46	99	297051	129.79	ng	0.00
23) Nitrobenzene-d5	7.37	82	192396	94.45	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	62027	137.22	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	342432	99.00	ng	0.00
79) Terphenyl-d14	12.92	244	303809	95.21	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	295	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	25308	18.159 ng	#	1
25) Isophorone	7.37	82	192395	53.345 ng	#	82
31) Naphthalene	8.12	128	13936	2.707 ng	#	66
50) Dimethylphthalate	9.56	163	15903	4.153 ng		95
51) 2,6-Dinitrotoluene	9.85	165	6615	8.481 ng	#	99
57) 2,4-Dinitrotoluene	9.85	165	6615	6.534 ng	#	24
67) 4-Bromophenyl-phenylether	10.64	248	4119	5.100 ng	#	18
77) Benzidine	12.92	184	4661	2.426 ng	#	1
						95

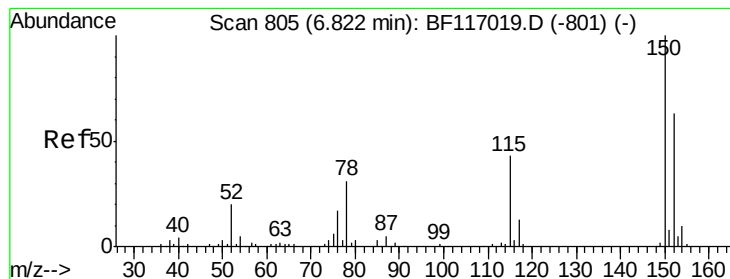
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.82 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF117231.D

Acq: 24 Sep 2019 22:20

Instrument :

BNA_F

ClientSampleId :

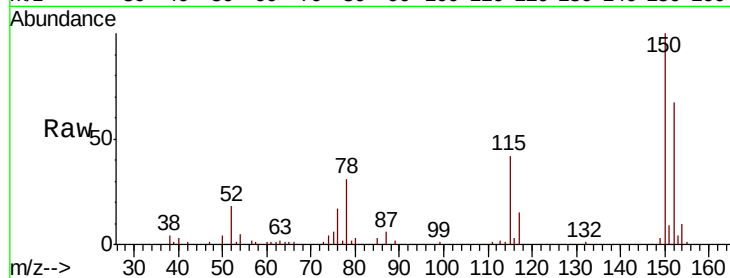
Tot Ion:152 Resp: 27649

Ion Ratio Lower Upper

152 100

150 150.1 127.5 191.3

115 63.4 55.0 82.4

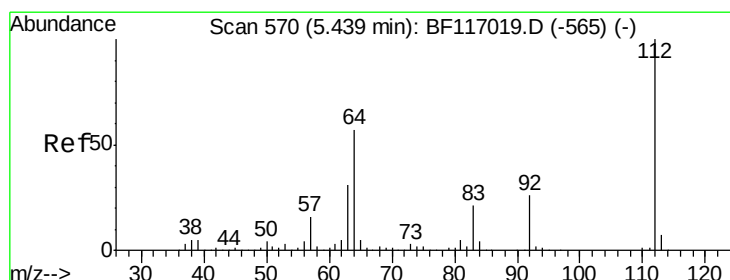
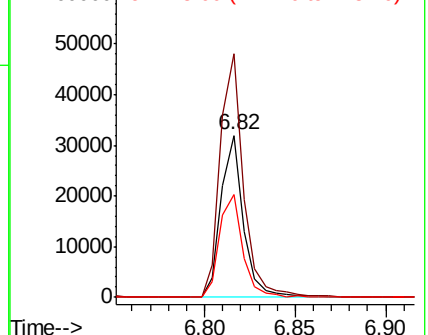
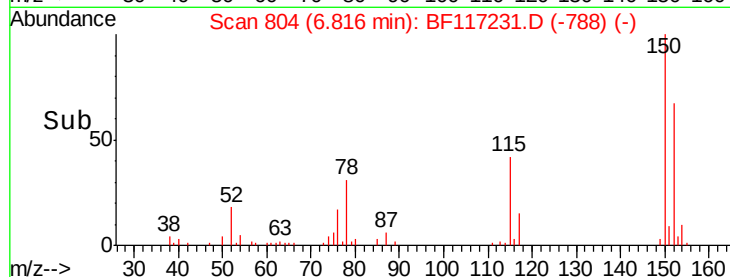


Abundance

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: 131.697 ng

RT: 5.45 min Scan# 572

Delta R.T. 0.01 min

Lab File: BF117231.D

Acq: 24 Sep 2019 22:20

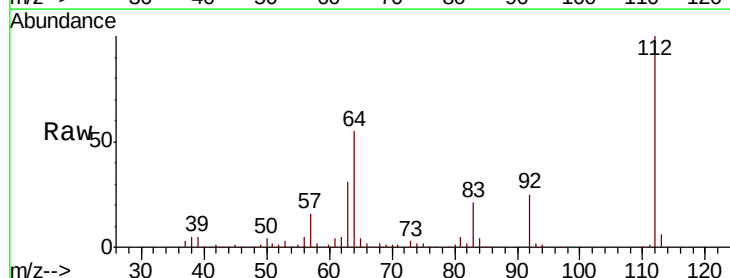
Tgt Ion:112 Resp: 233230

Ion Ratio Lower Upper

112 100

64 55.1 45.7 68.5

63 30.7 24.9 37.3

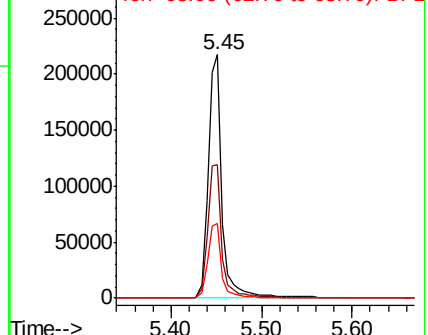
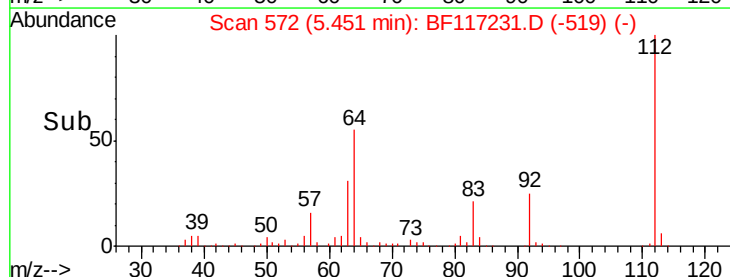


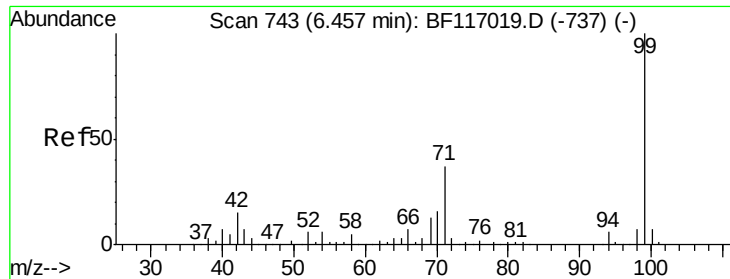
Abundance

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: 129.790 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117231.D

Acq: 24 Sep 2019 22:20

Instrument :

BNA_F

ClientSampleId :

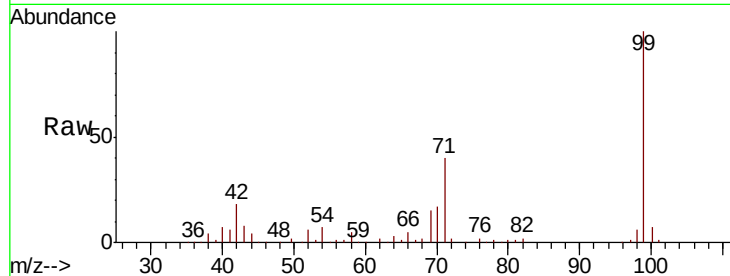
Tot Ion: 99 Resp: 297051

Ion Ratio Lower Upper

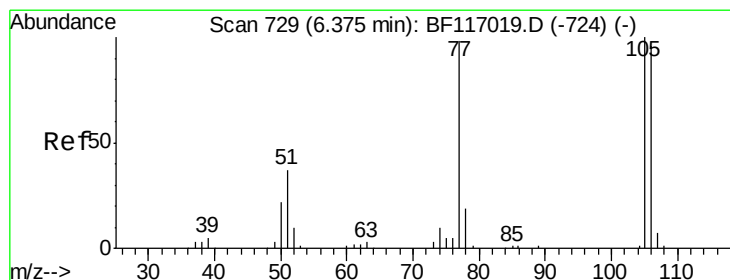
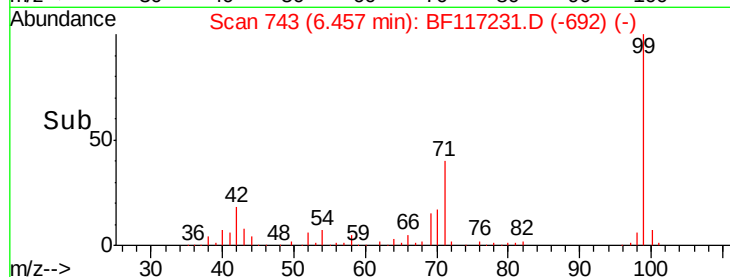
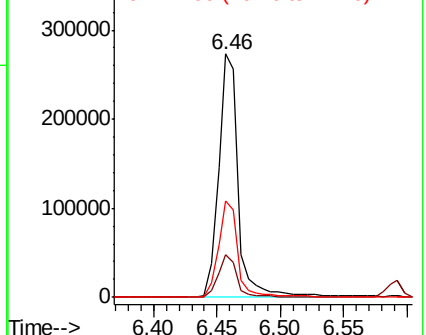
99 100

42 17.5 12.2 18.2

71 39.6 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: BF117231.D

Acq: 24 Sep 2019 22:20

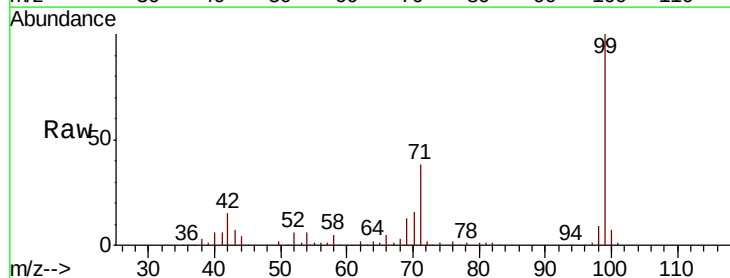
Tgt Ion: 77 Resp: 295

Ion Ratio Lower Upper

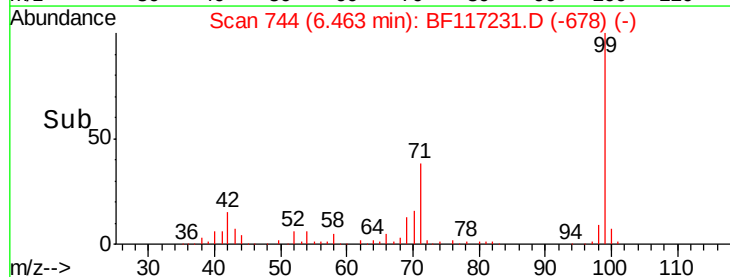
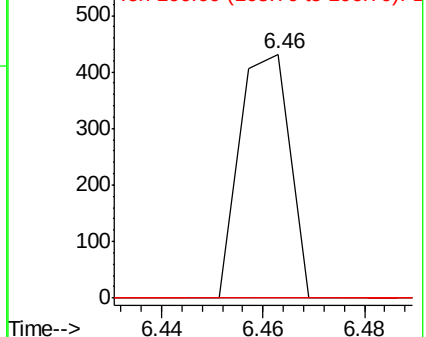
77 100

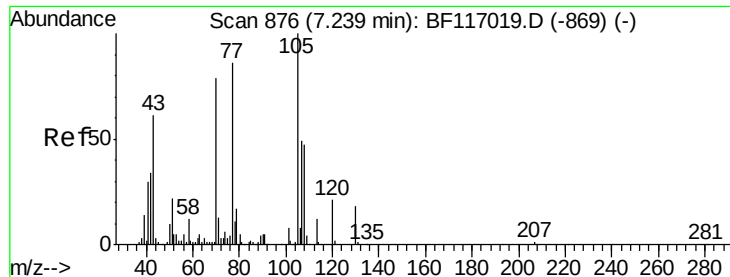
105 0.0 81.8 121.8#

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

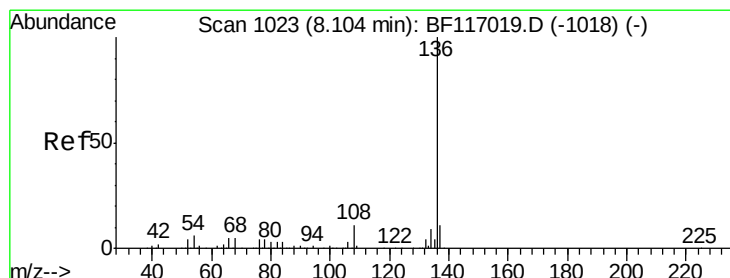
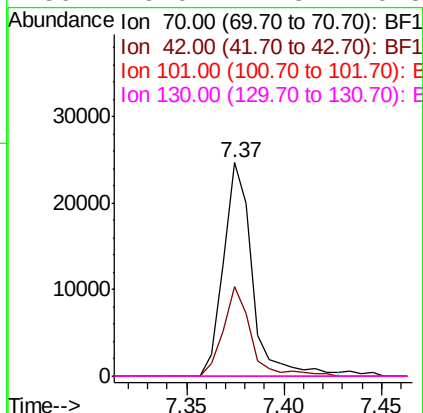
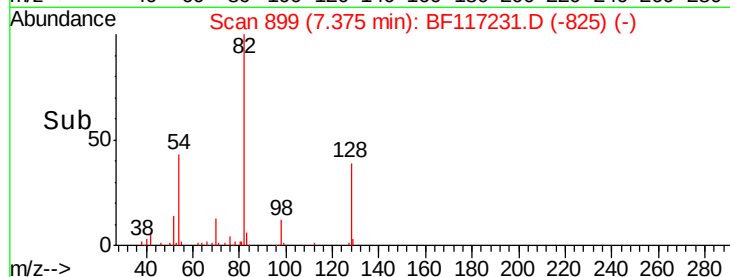
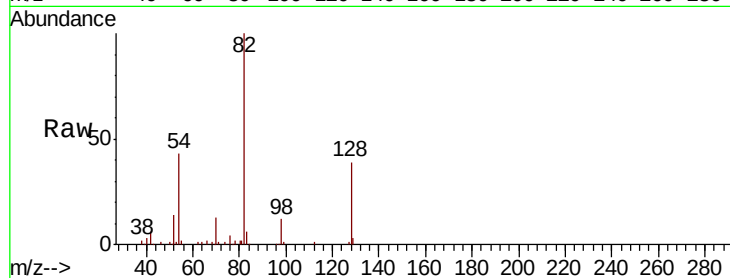




#19
n-Nitroso-di-n-propylamine
Concen: 18.159 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.14 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

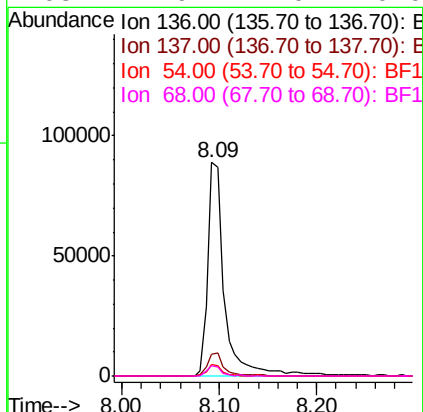
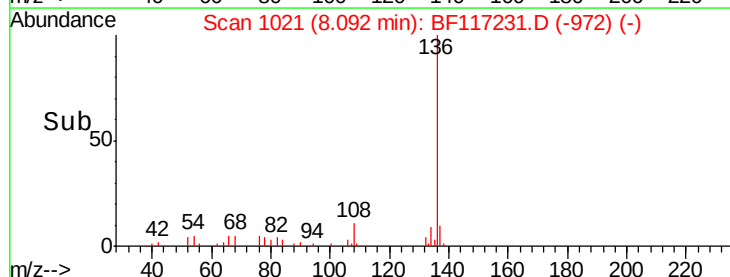
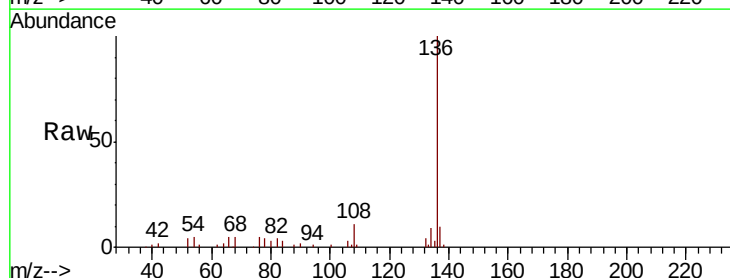
Instrument :
BNA_F
ClientSampleId :

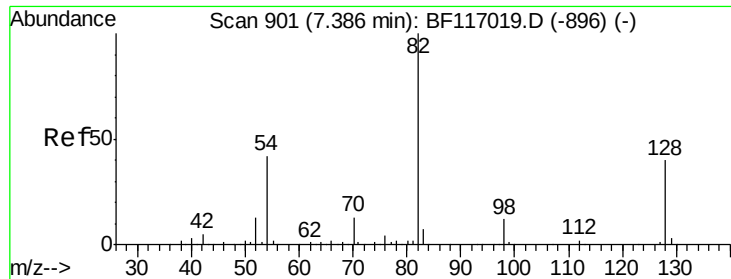
Tot Ion	Ratio	Lower	Upper
70	100		
42	41.8	34.0	51.0
101	0.0	7.8	11.6#
130	0.0	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.0	13.4
54	5.5	4.5	6.7
68	4.9	4.0	6.0

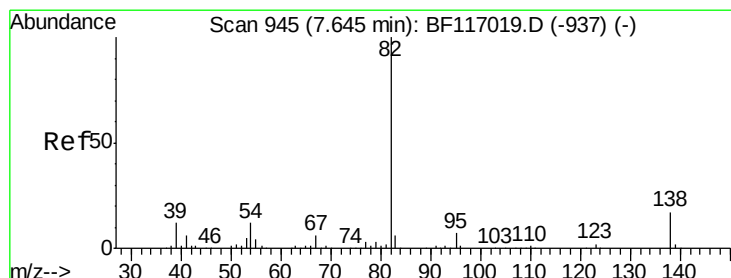
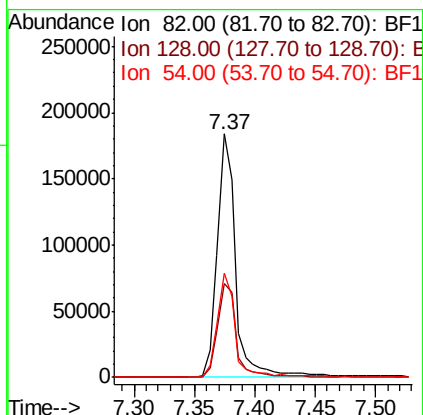
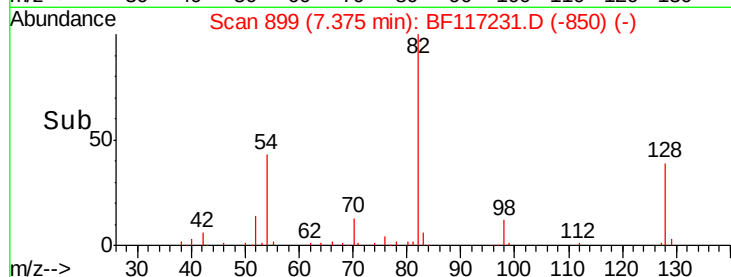
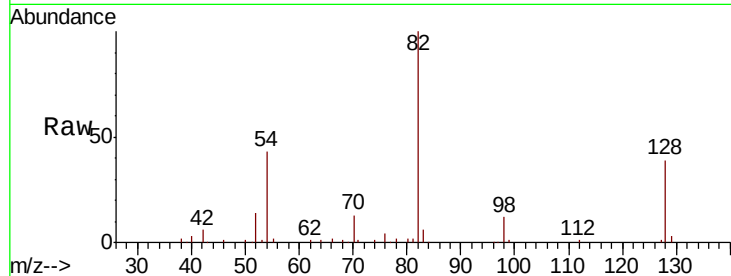




#23
 Nitrobenzene-d5
 Concen: 94.451 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF117231.D
 Acq: 24 Sep 2019 22:20

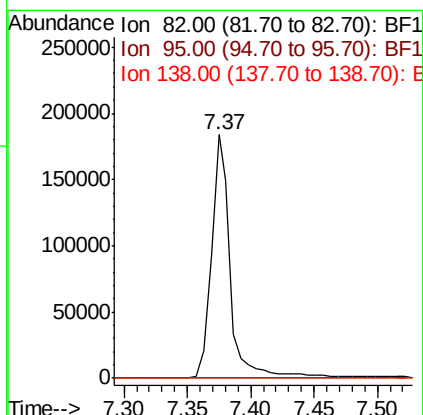
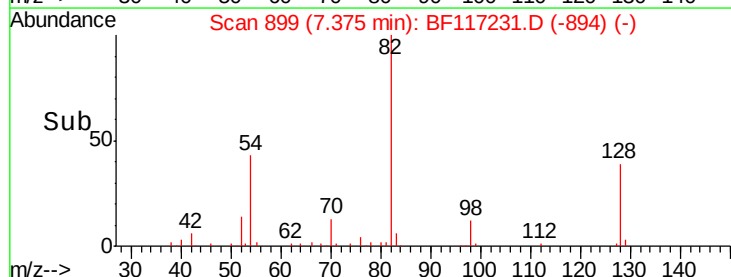
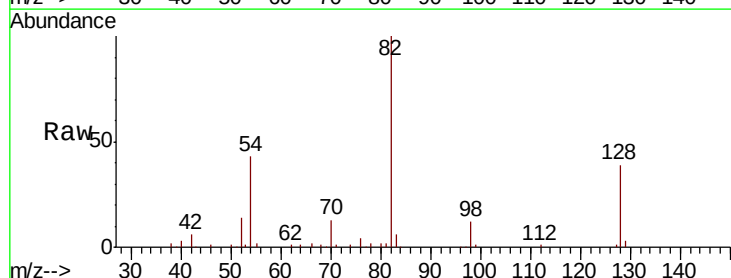
Instrument :
 BNA_F
 ClientSampled :

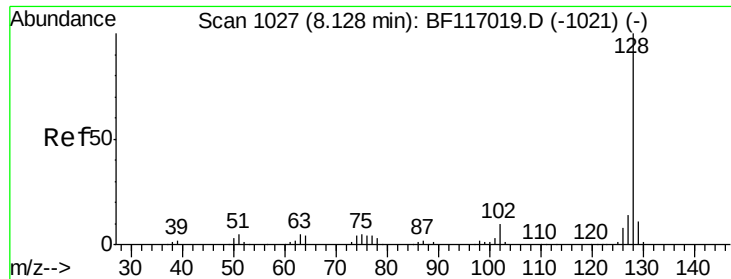
Tot Ion	82	Resp	192396
Ion Ratio	100	Lower	Upper
128	38.6	32.3	48.5
54	42.9	33.3	49.9



#25
 Isophorone
 Concen: 53.345 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.27 min
 Lab File: BF117231.D
 Acq: 24 Sep 2019 22:20

Tgt Ion	82	Resp	192395
Ion Ratio	100	Lower	Upper
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

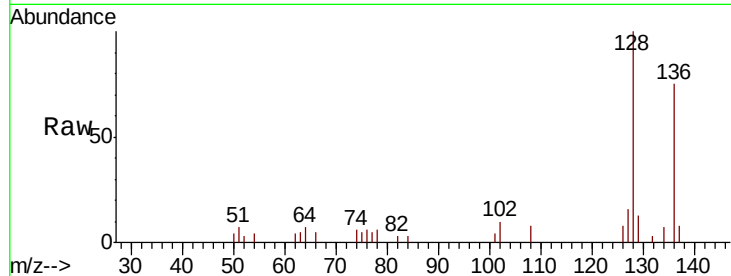




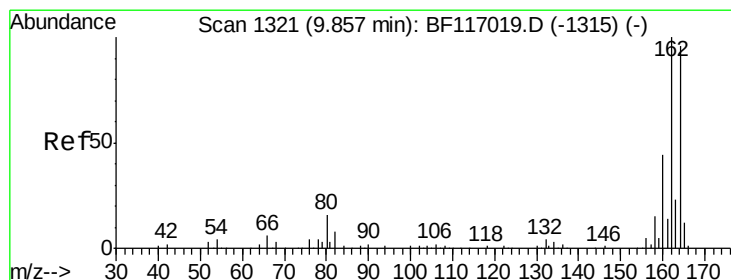
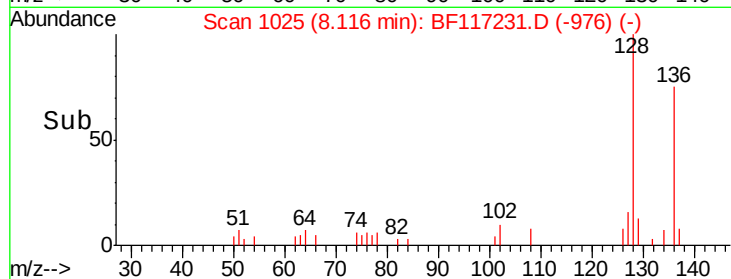
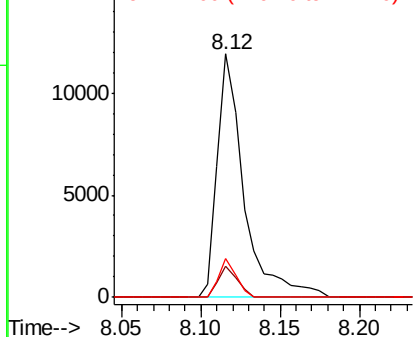
#31
Naphthalene
Concen: 2.707 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 13936
Ion Ratio Lower Upper
128 100
129 12.9 9.0 13.4
127 15.8 10.8 16.2

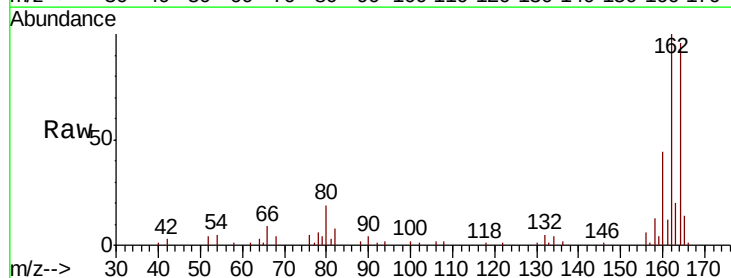


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

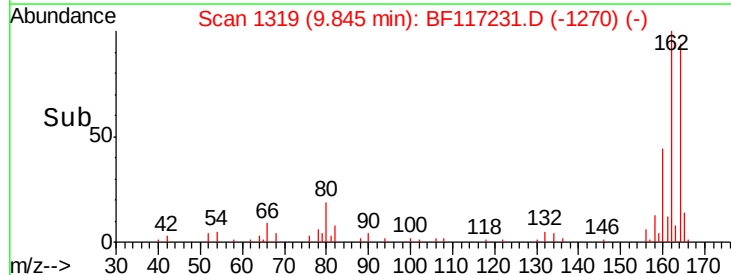
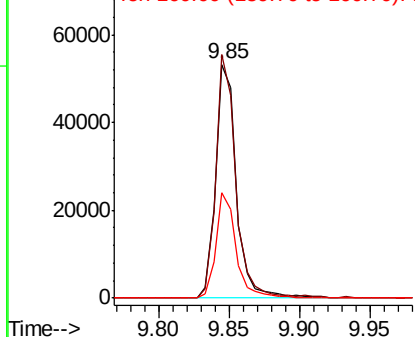


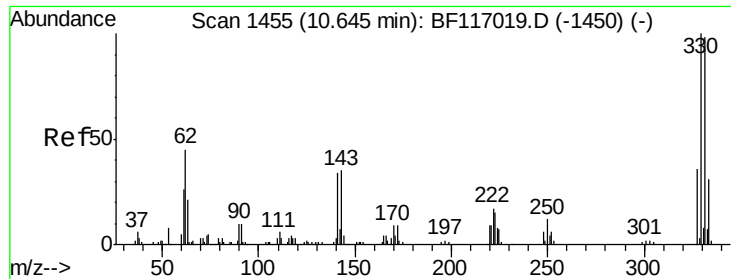
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

Tgt Ion:164 Resp: 54085
Ion Ratio Lower Upper
164 100
162 104.3 83.4 125.2
160 45.4 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

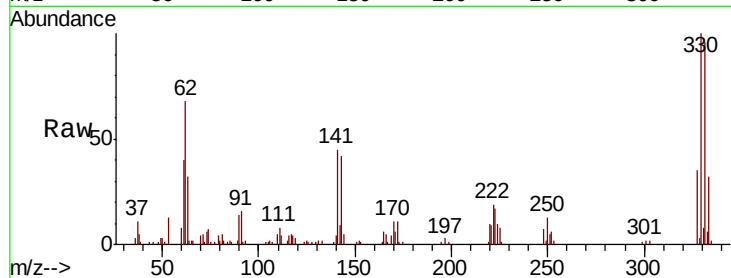




#42
 2,4,6-Tribromophenol
 Concen: 137.220 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117231.D
 Acq: 24 Sep 2019 22:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	78.0	117.0
141	46.2	35.8	53.6

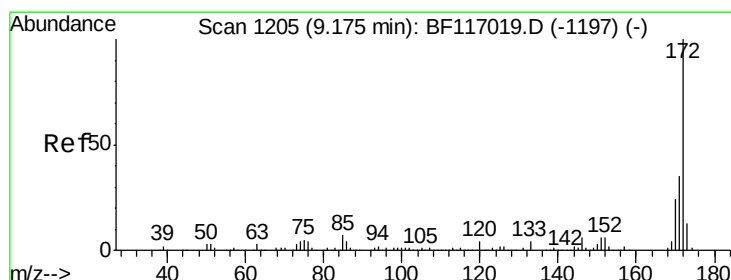
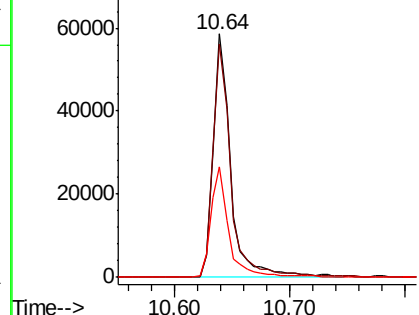
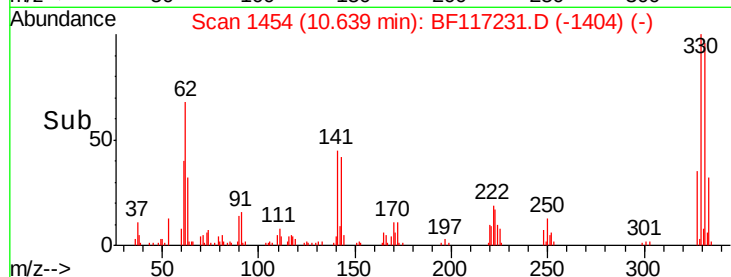


Abundance

Ion 329.80 (329.50 to 330.50): E

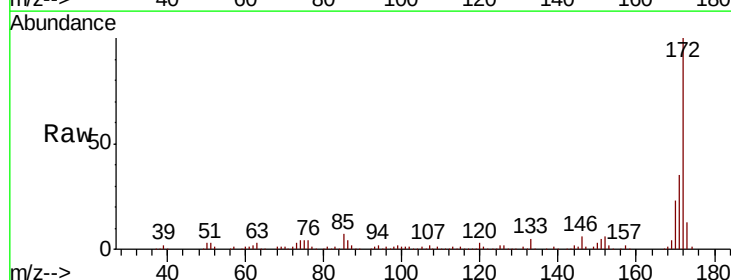
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 98.996 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF117231.D
 Acq: 24 Sep 2019 22:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.2
170	22.5	18.9	28.3

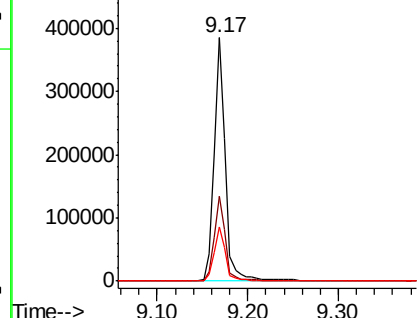
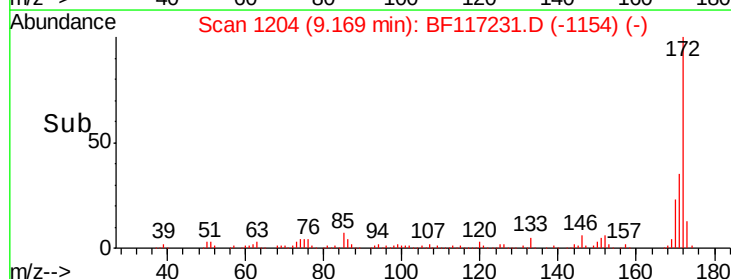


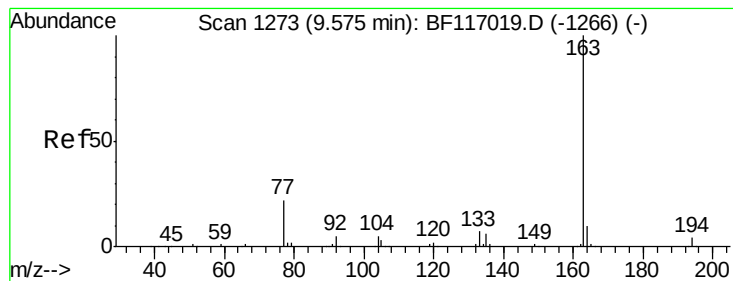
Abundance

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: 4.153 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF117231.D

Acq: 24 Sep 2019 22:20

Instrument :

BNA_F

ClientSampleId :

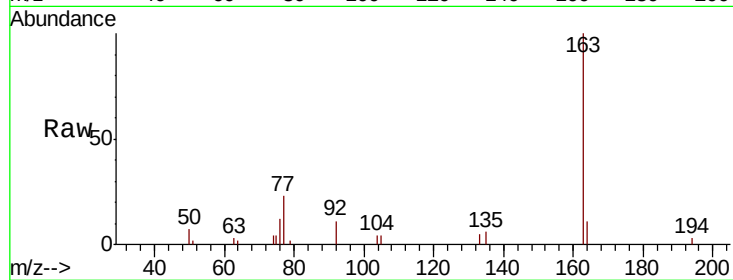
Tot Ion:163 Resp: 15903

Ion Ratio Lower Upper

163 100

194 3.0 2.9 4.3

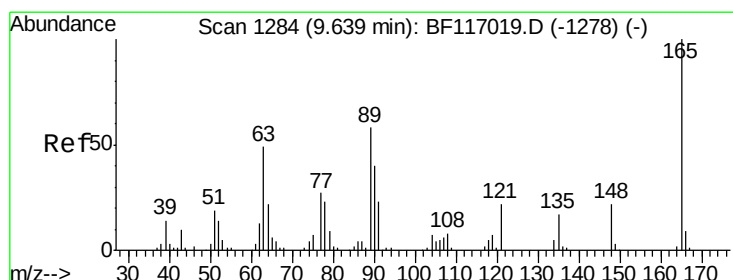
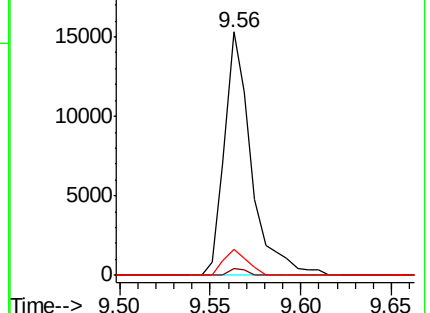
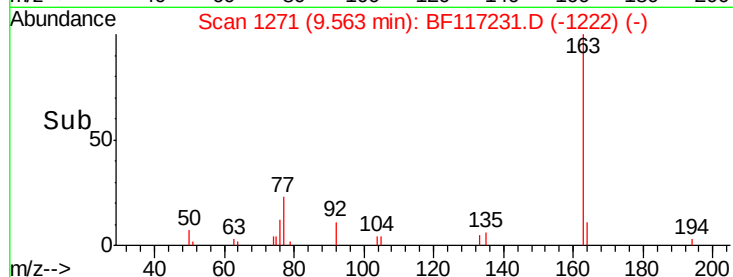
164 10.6 8.2 12.4



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: 8.481 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF117231.D

Acq: 24 Sep 2019 22:20

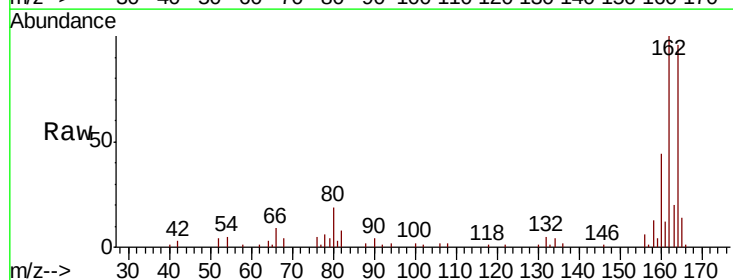
Tgt Ion:165 Resp: 6615

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

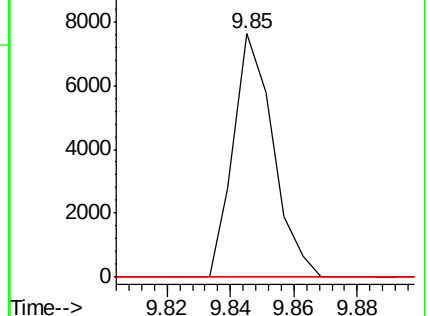
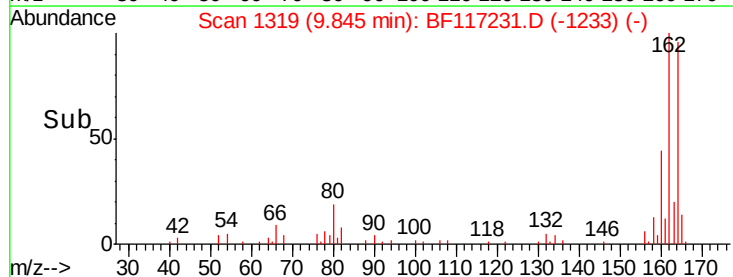
89 0.0 46.5 69.7#

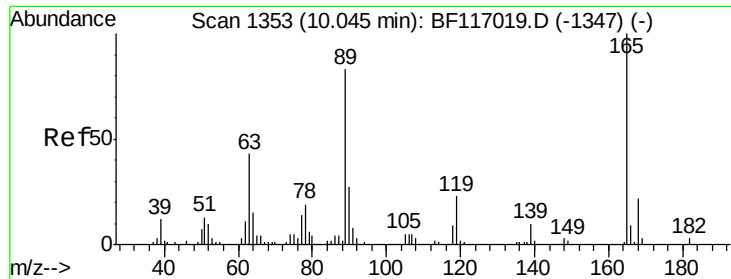


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

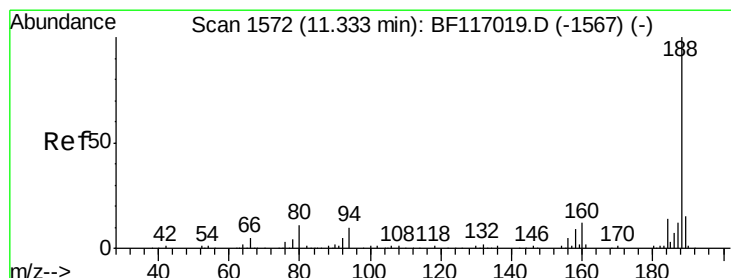
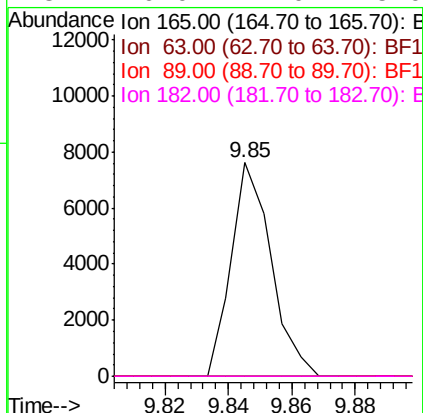
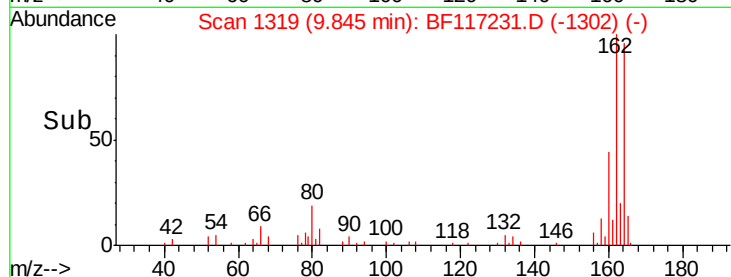
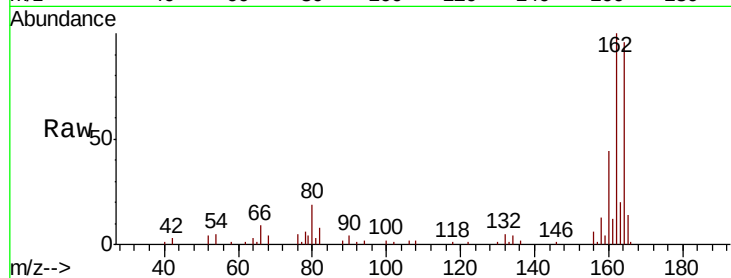




#57
 2,4-Dinitrotoluene
 Concen: 6.534 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF117231.D
 Acq: 24 Sep 2019 22:20

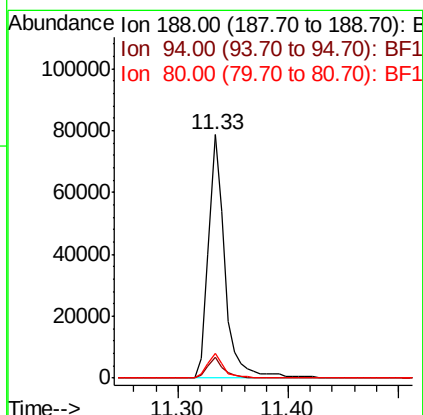
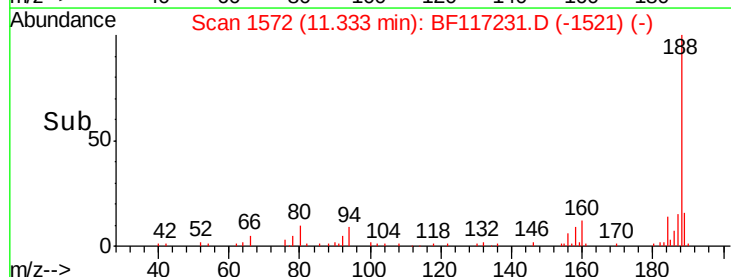
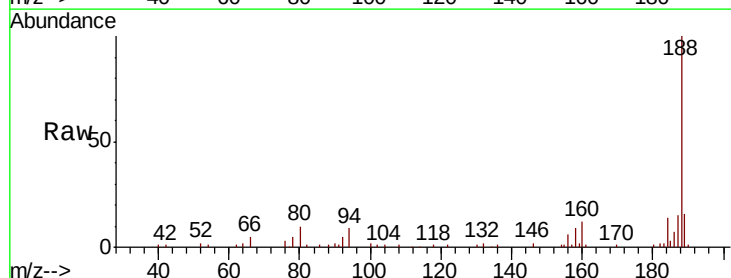
Instrument :
 BNA_F
 ClientSampleId :

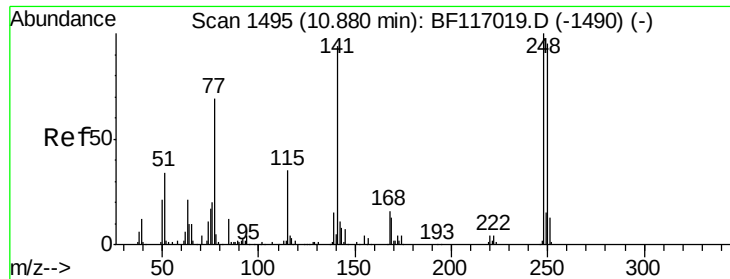
Tot Ion:165 Resp: 6615
 Ion Ratio Lower Upper
 165 100
 63 0.0 35.0 52.4#
 89 0.0 66.1 99.1#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117231.D
 Acq: 24 Sep 2019 22:20

Tgt Ion:188 Resp: 79078
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.2 12.2
 80 10.1 9.0 13.6

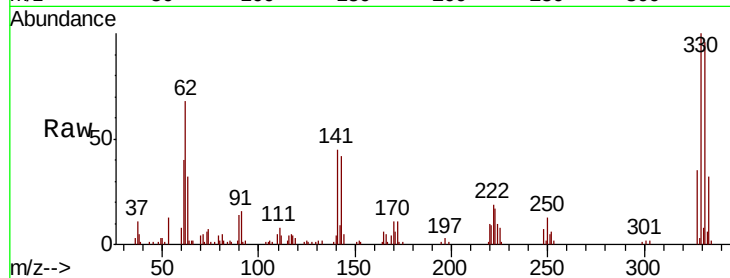




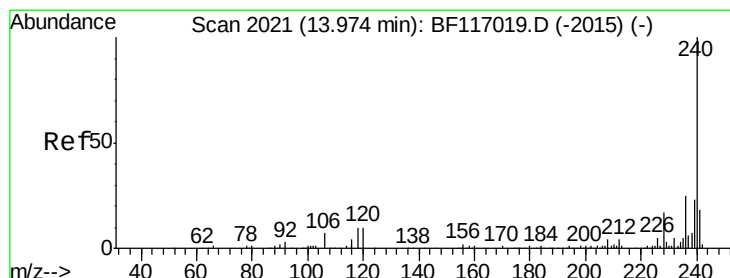
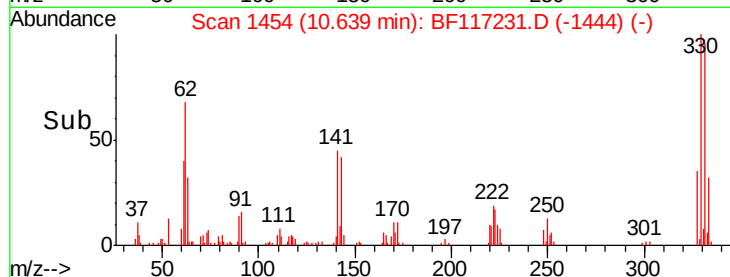
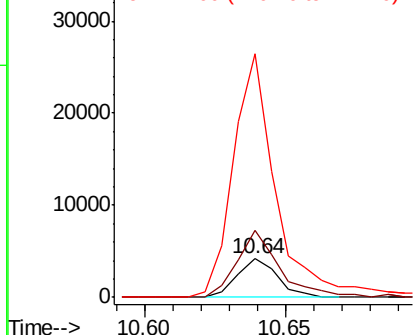
#67
 4-Bromophenyl-phenylether
 Concen: 5.100 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117231.D
 Acq: 24 Sep 2019 22:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 4119
 Ion Ratio Lower Upper
 248 100
 250 175.8 76.2 114.4#
 141 634.4 75.0 112.4#

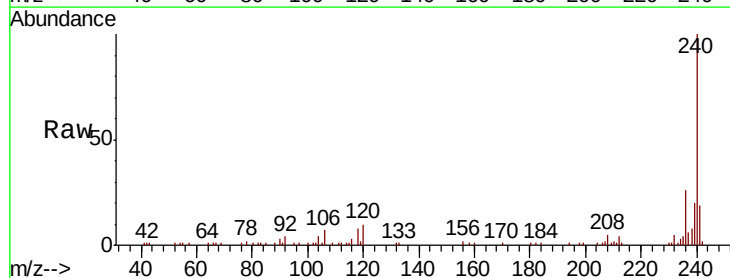


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

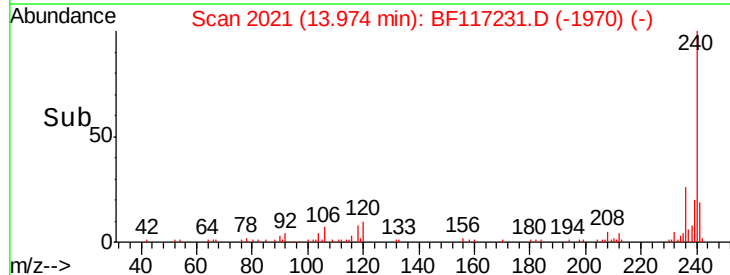
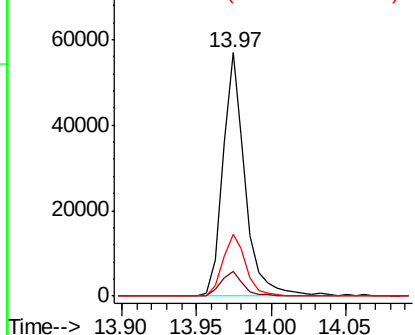


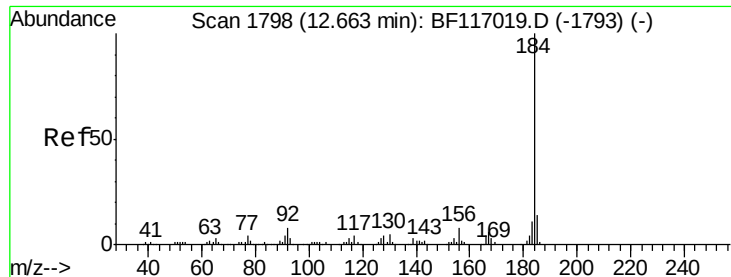
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BF117231.D
 Acq: 24 Sep 2019 22:20

Tgt Ion:240 Resp: 59648
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.3 12.5
 236 25.6 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: 2.426 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF117231.D

Acq: 24 Sep 2019 22:20

Instrument :

BNA_F

ClientSampleId :

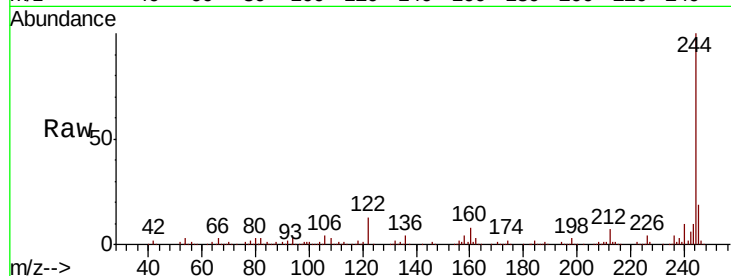
Tot Ion:184 Resp: 4661

Ion Ratio Lower Upper

184 100

185 15.0 11.6 17.4

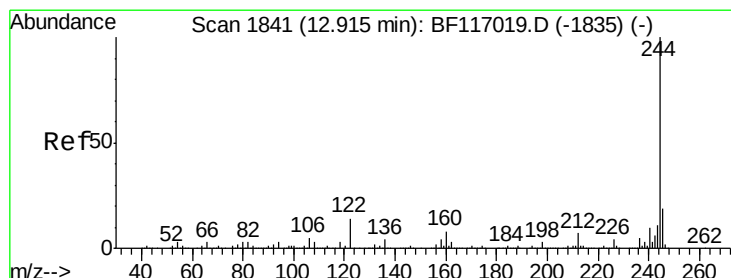
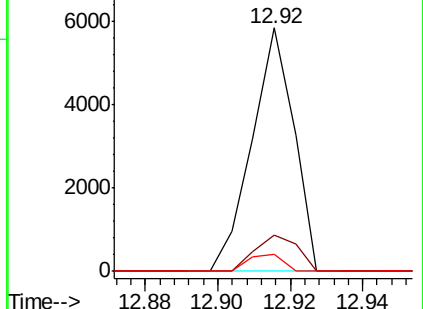
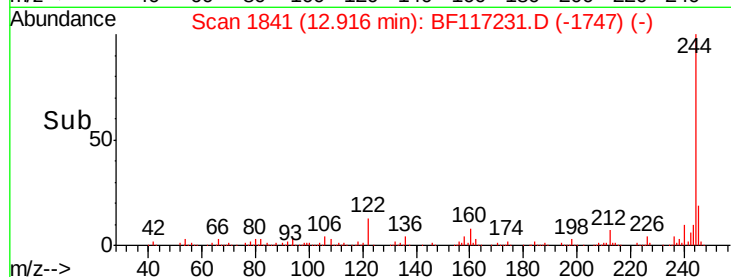
183 7.0 9.0 13.4#



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



#79

Terphenyl-d14

Concen: 95.206 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117231.D

Acq: 24 Sep 2019 22:20

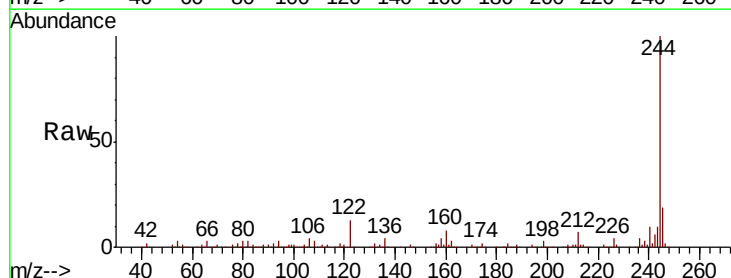
Tgt Ion:244 Resp: 303809

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

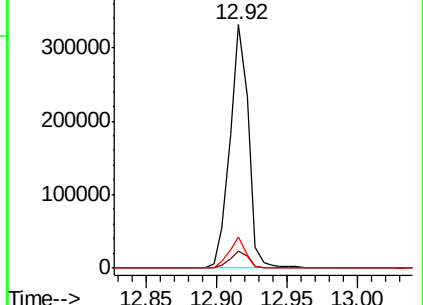
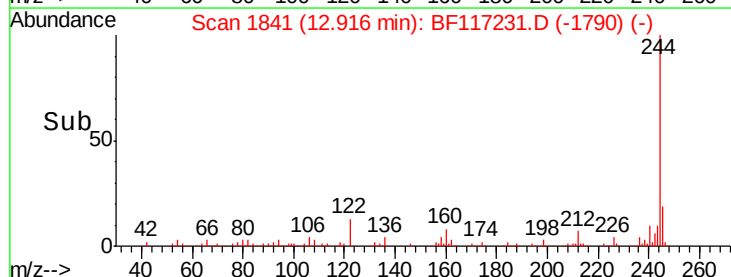
122 12.9 11.3 16.9

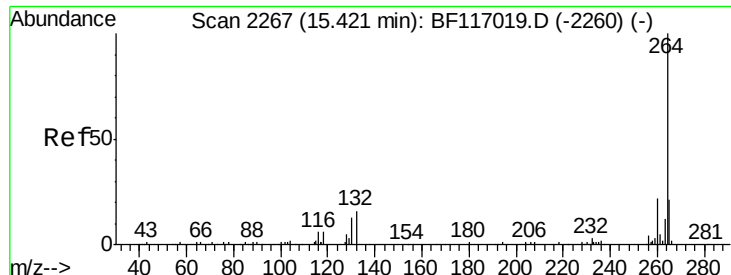


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

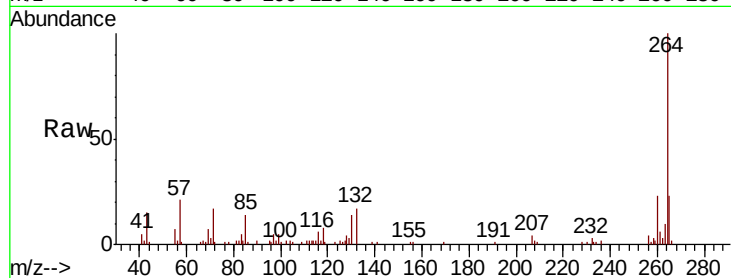




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF117231.D
 Acq: 24 Sep 2019 22:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.6	26.4
265	22.5	16.6	24.8



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

