

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
 Data File : BF117307.D
 Acq On : 2 Oct 2019 18:41
 Operator : JU
 Sample : K5131-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 01:32:14 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

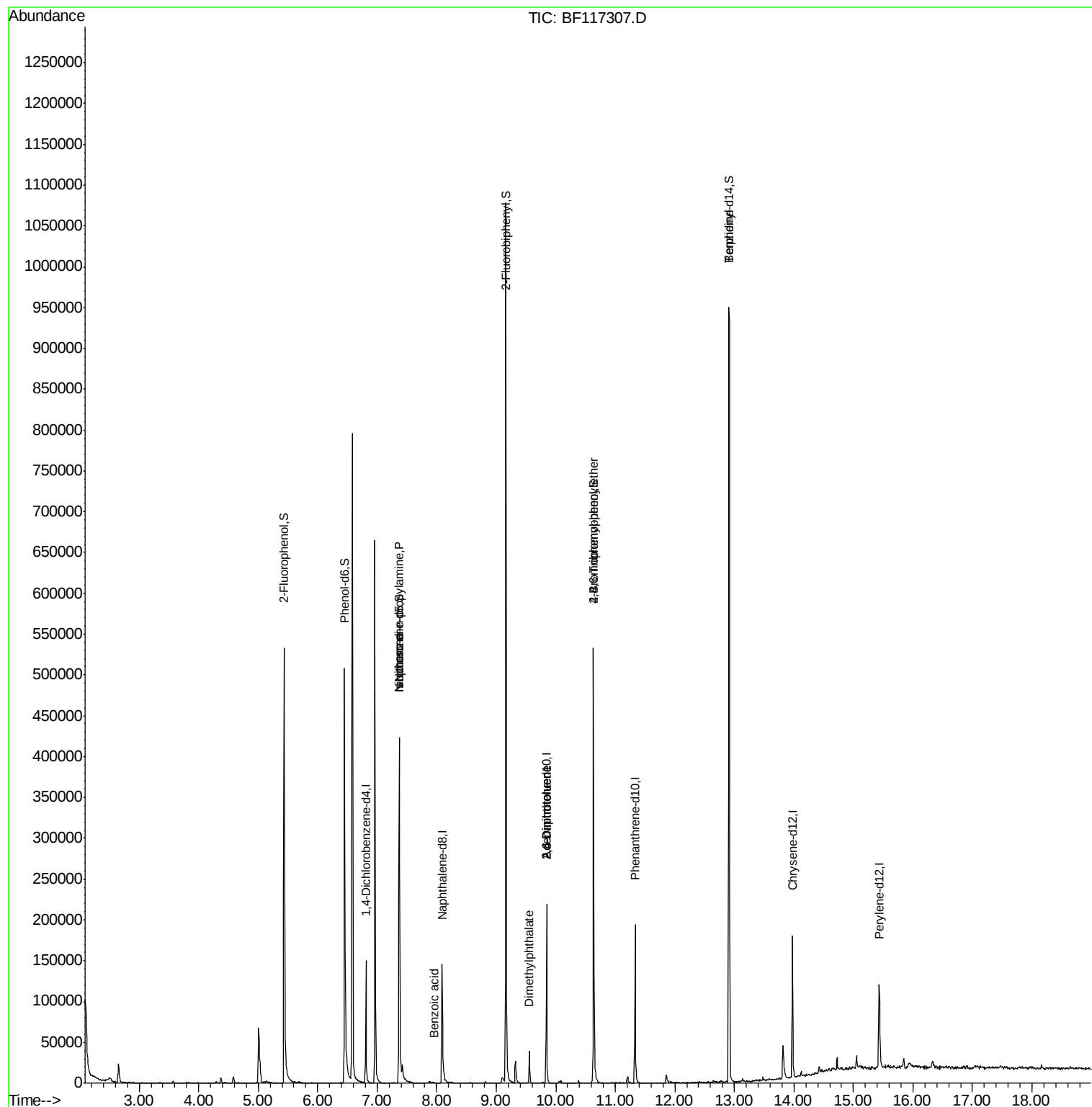
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	24941	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	96201	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	50425	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	86363	20.00	ng	0.00
76) Chrysene-d12	13.97	240	61461	20.00	ng	0.00
87) Perylene-d12	15.43	264	51415	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	186901	117.00	ng	0.00
7) Phenol-d6	6.45	99	225390	109.17	ng	0.00
23) Nitrobenzene-d5	7.37	82	165455	90.37	ng	-0.02
42) 2,4,6-Tribromophenol	10.64	330	63135	149.81	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	318030	98.61	ng	-0.01
79) Terphenyl-d14	12.92	244	332754	101.20	ng	0.00
Target Compounds						
9) Benzaldehyde	6.38	77	440	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	22692	18.050 ng	#	72
25) Isophorone	7.37	82	165453	51.037 ng	#	66
32) Benzoic acid	7.95	122	113	6.699 ng	#	1
50) Dimethylphthalate	9.56	163	17531	4.910 ng		97
51) 2,6-Dinitrotoluene	9.85	165	6195	8.519 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	6195	6.563 ng	#	18
67) 4-Bromophenyl-phenylether	10.63	248	4124	4.676 ng	#	1
77) Benzidine	12.92	184	4420	2.233 ng	#	92

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

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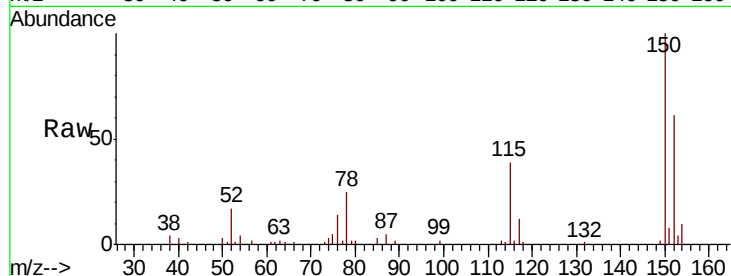


#1

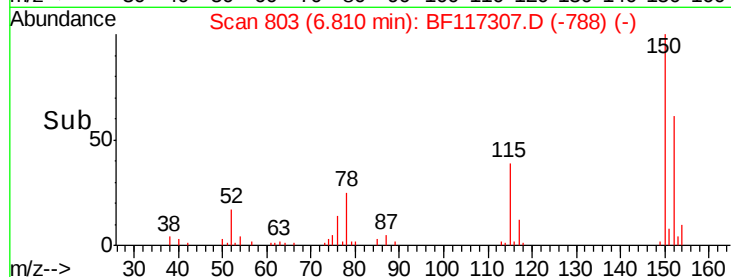
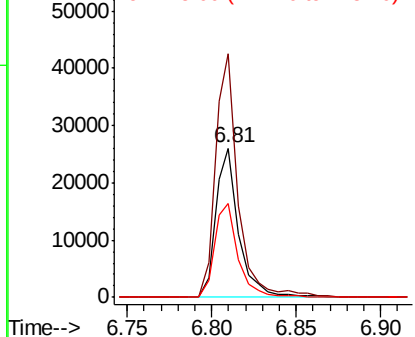
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117307.D
Acq: 2 Oct 2019 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 24941
Ion Ratio Lower Upper
152 100
150 163.1 127.5 191.3
115 63.1 55.0 82.4



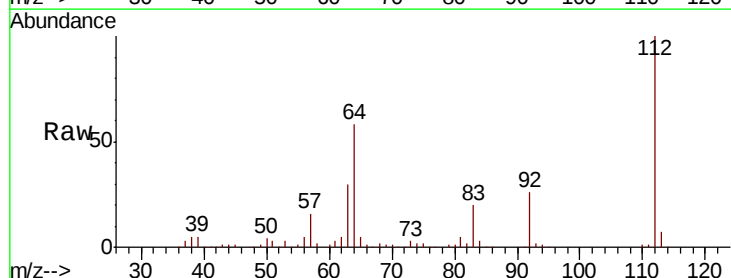
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



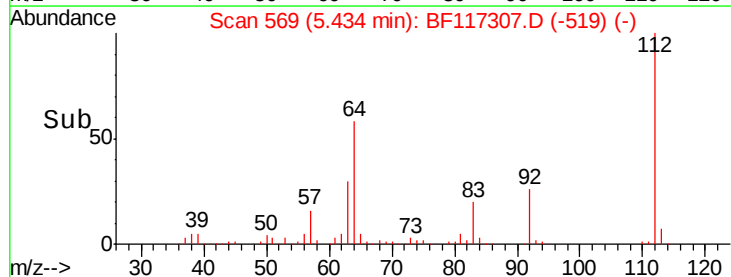
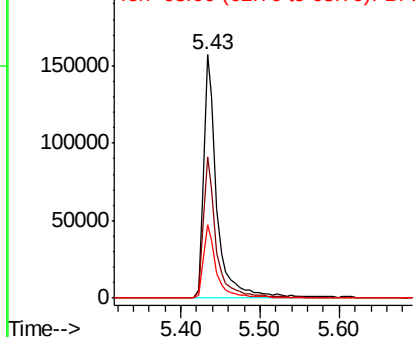
#5

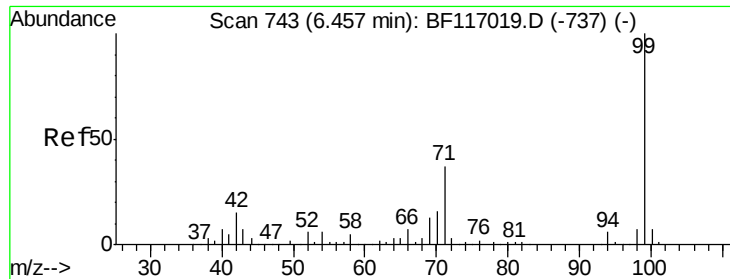
2-Fluorophenol
Concen: 116.996 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117307.D
Acq: 2 Oct 2019 18:41

Tgt Ion:112 Resp: 186901
Ion Ratio Lower Upper
112 100
64 58.1 45.7 68.5
63 30.1 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: 109.171 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117307.D

Acq: 2 Oct 2019 18:41

Instrument :

BNA_F

ClientSampleId :

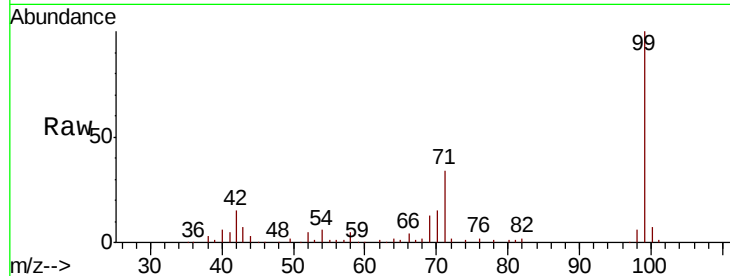
Tot Ion: 99 Resp: 225390

Ion Ratio Lower Upper

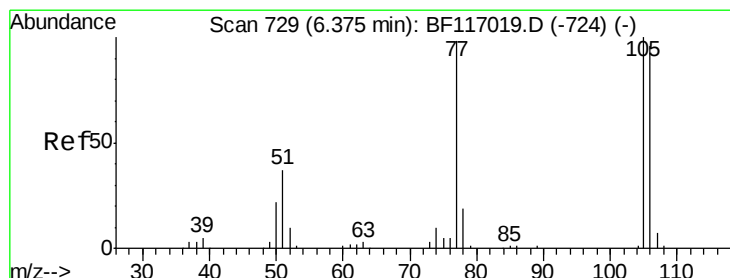
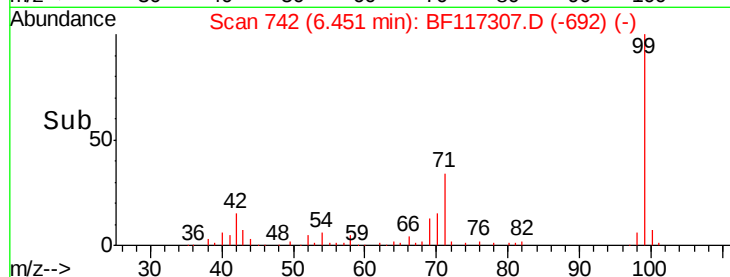
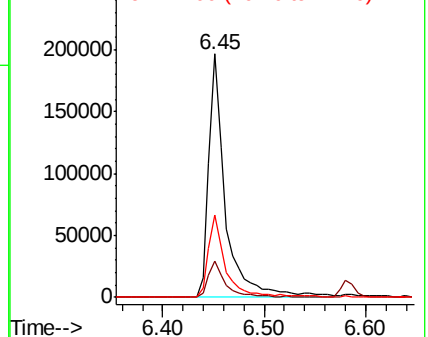
99 100

42 14.9 12.2 18.2

71 33.8 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: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF117307.D

Acq: 2 Oct 2019 18:41

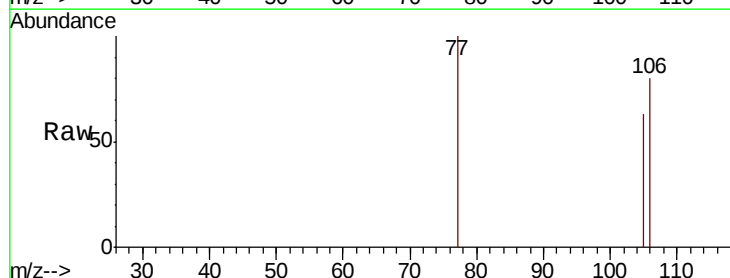
Tgt Ion: 77 Resp: 440

Ion Ratio Lower Upper

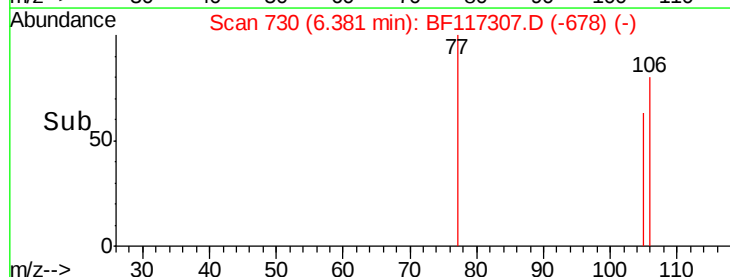
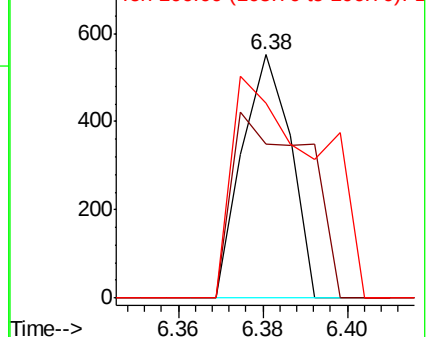
77 100

105 63.4 81.8 121.8#

106 79.9 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

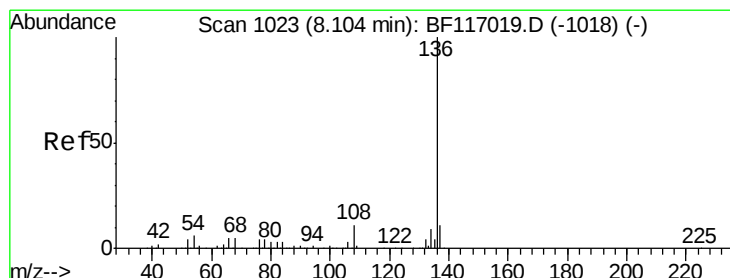
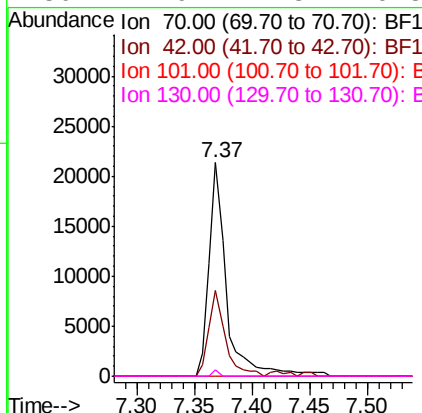
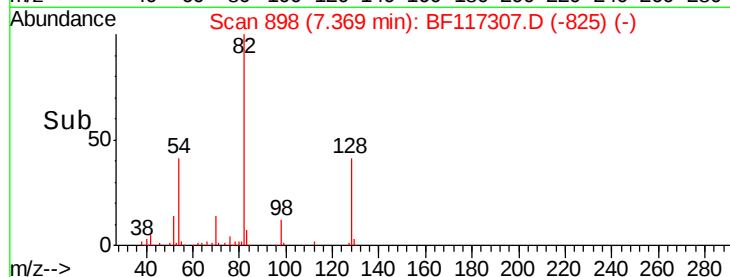
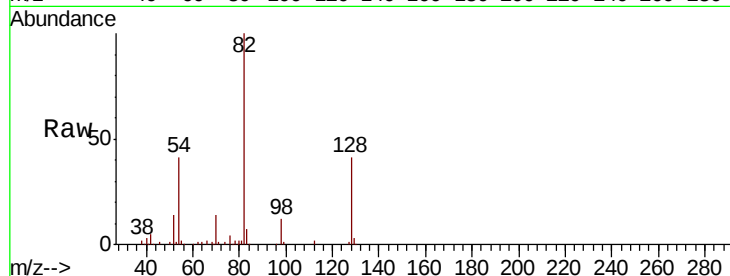




#19
n-Nitroso-di-n-propylamine
Concen: 18.050 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.13 min
Lab File: BF117307.D
Acq: 2 Oct 2019 18:41

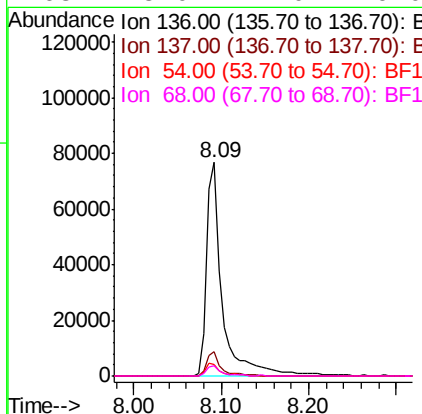
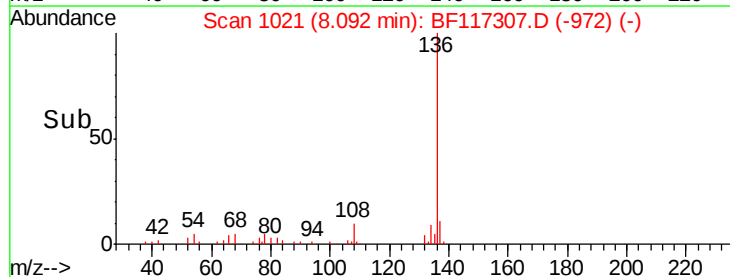
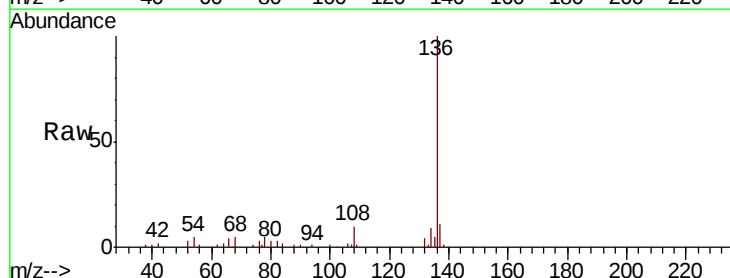
Instrument :
BNA_F
ClientSampleId :

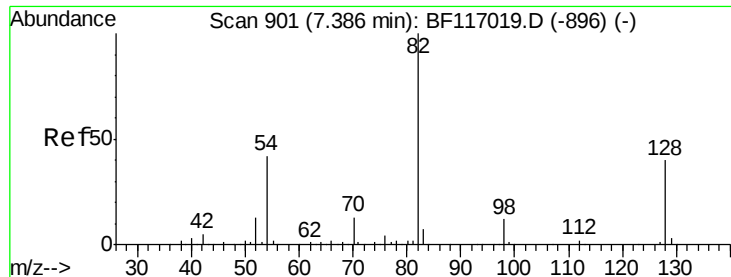
Tot Ion: 70 Resp: 22692
Ion Ratio Lower Upper
70 100
42 40.0 34.0 51.0
101 0.0 7.8 11.6#
130 2.9 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117307.D
Acq: 2 Oct 2019 18:41

Tgt Ion: 136 Resp: 96201
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 5.4 4.5 6.7
68 5.0 4.0 6.0

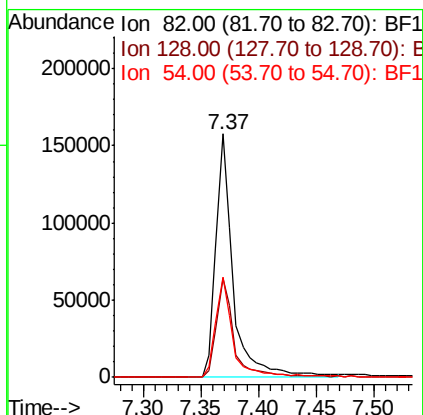
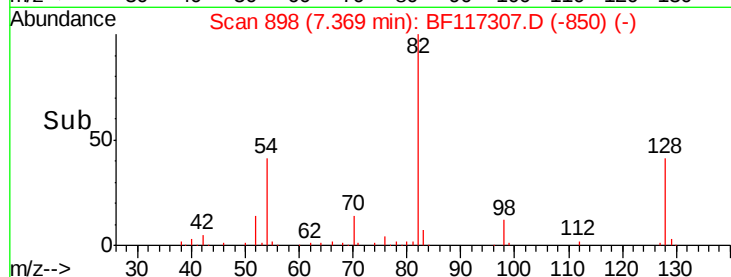
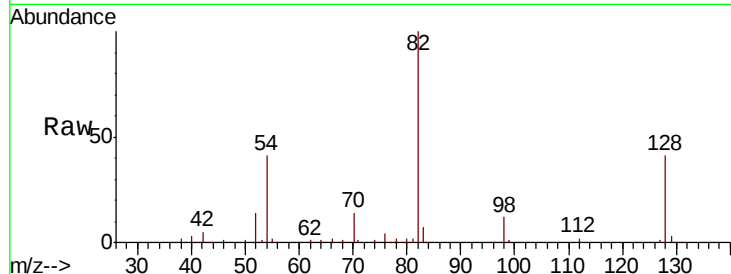




#23
Nitrobenzene-d5
Concen: 90.367 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF117307.D
Acq: 2 Oct 2019 18:41

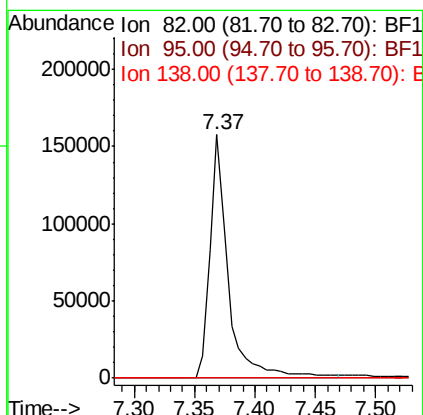
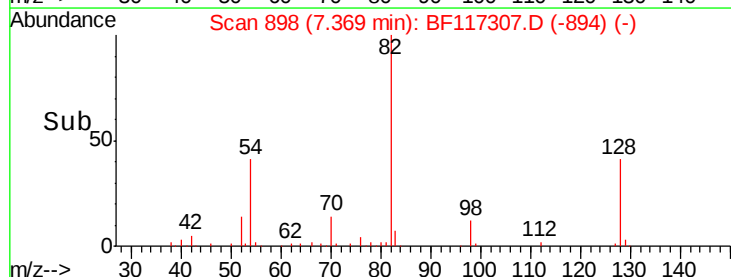
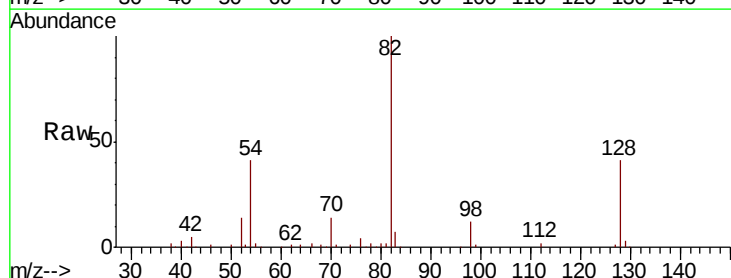
Instrument :
BNA_F
ClientSampleId :

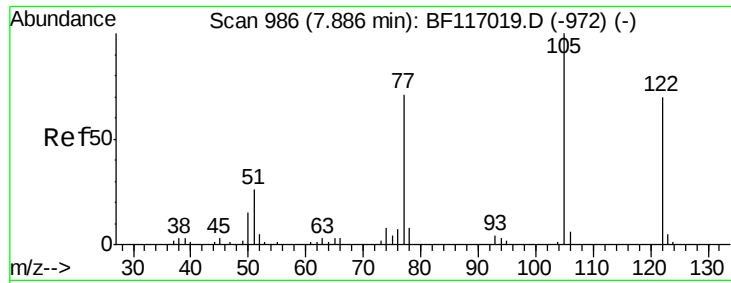
Tot Ion	82	Resp	165455
Ion Ratio	100	Lower	Upper
128	40.7	32.3	48.5
54	41.2	33.3	49.9



#25
Isophorone
Concen: 51.037 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.28 min
Lab File: BF117307.D
Acq: 2 Oct 2019 18:41

Tgt Ion	82	Resp	165453
Ion Ratio	100	Lower	Upper
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

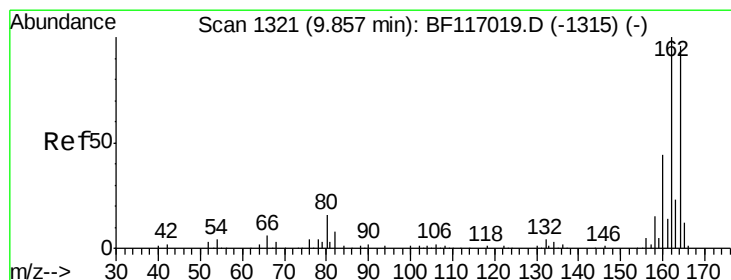
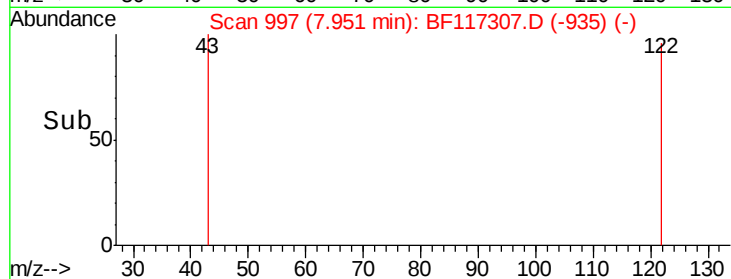
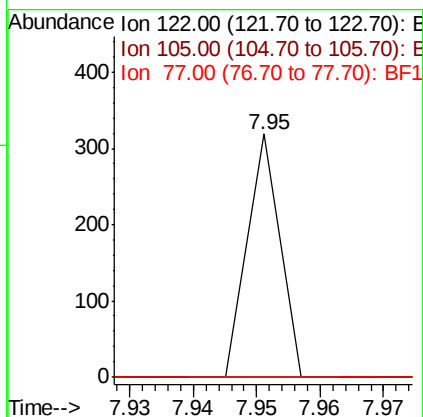
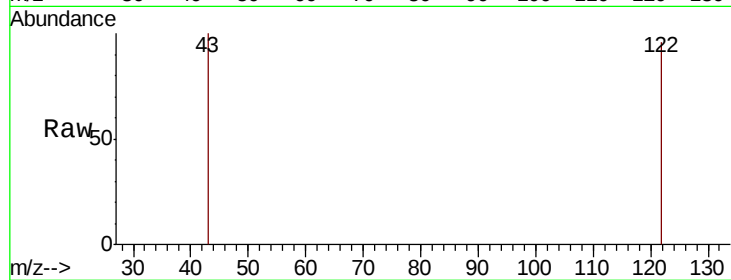




#32
Benzoic acid
Concen: 6.699 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.07 min
Lab File: BF117307.D
Acq: 2 Oct 2019 18:41

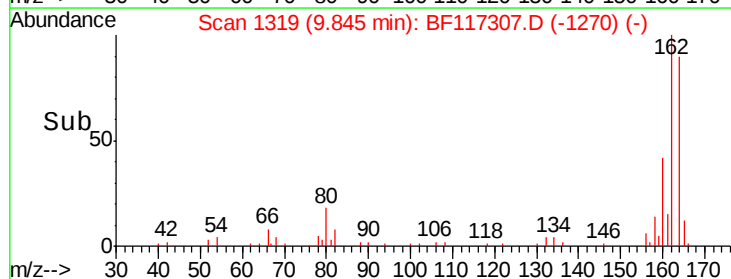
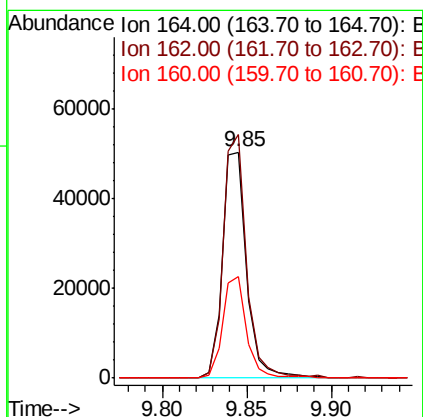
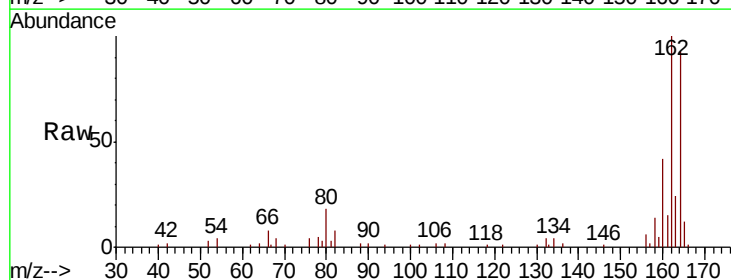
Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 113
Ion Ratio Lower Upper
122 100
105 0.0 114.8 154.8#
77 0.0 78.7 118.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117307.D
Acq: 2 Oct 2019 18:41

Tgt Ion:164 Resp: 50425
Ion Ratio Lower Upper
164 100
162 107.7 83.4 125.2
160 44.8 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 149.809 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117307.D

Acq: 2 Oct 2019 18:41

Instrument :

BNA_F

ClientSampleId :

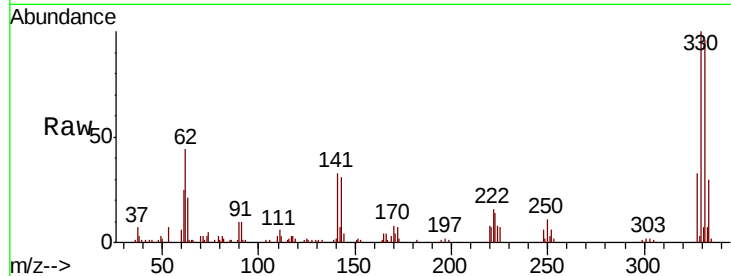
Tot Ion:330 Resp: 63135

Ion Ratio Lower Upper

330 100

332 96.4 78.0 117.0

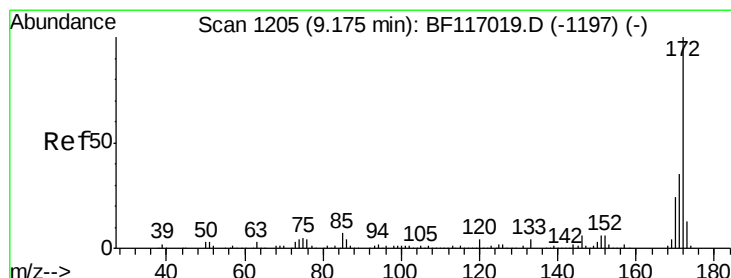
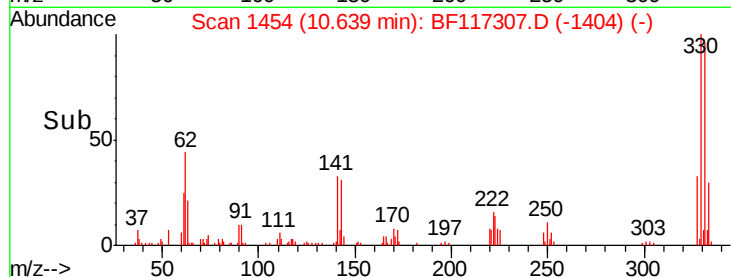
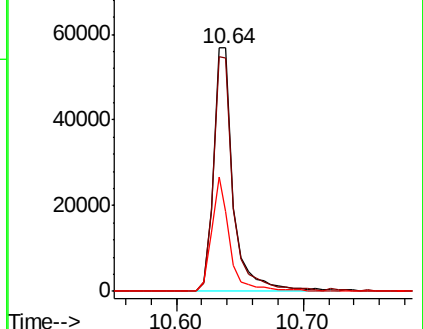
141 42.4 35.8 53.6



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: 98.615 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF117307.D

Acq: 2 Oct 2019 18:41

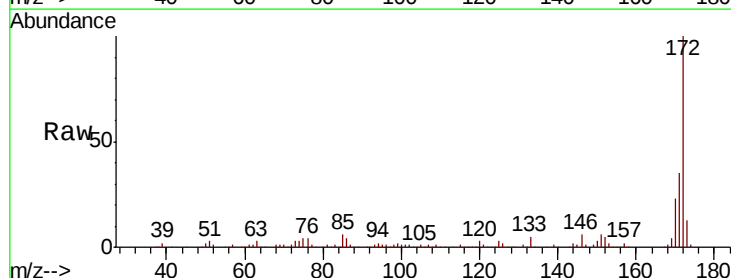
Tgt Ion:172 Resp: 318030

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.2

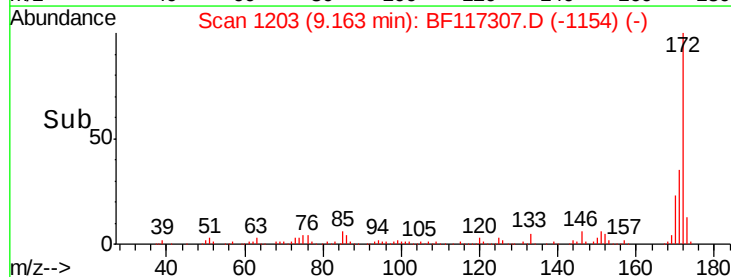
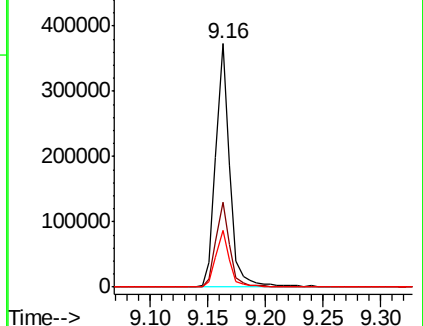
170 23.2 18.9 28.3

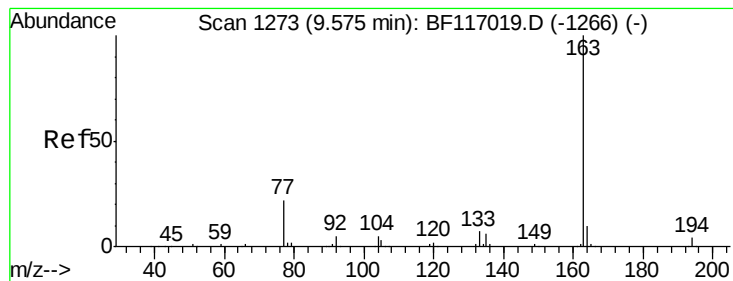


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.910 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF117307.D

Acq: 2 Oct 2019 18:41

Instrument :

BNA_F

ClientSampleId :

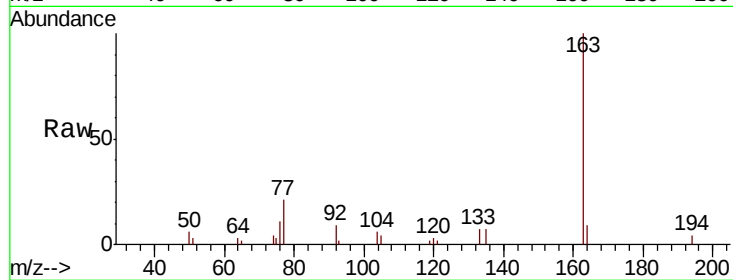
Tot Ion:163 Resp: 17531

Ion Ratio Lower Upper

163 100

194 3.5 2.9 4.3

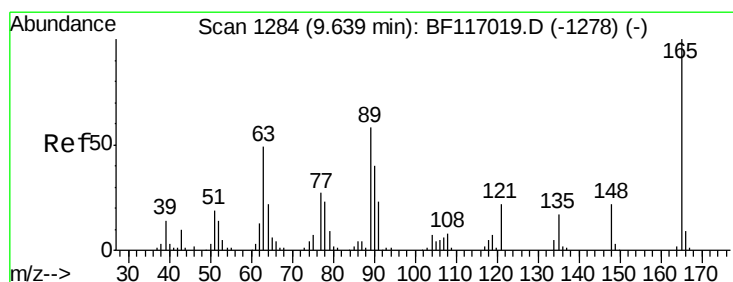
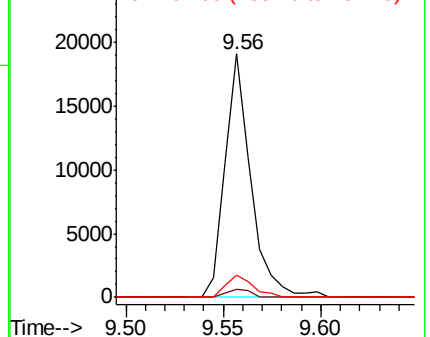
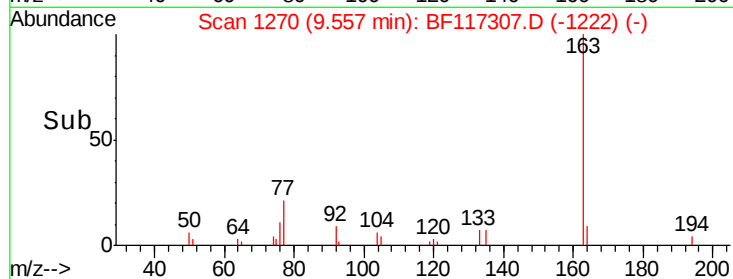
164 9.0 8.2 12.4



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: 8.519 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF117307.D

Acq: 2 Oct 2019 18:41

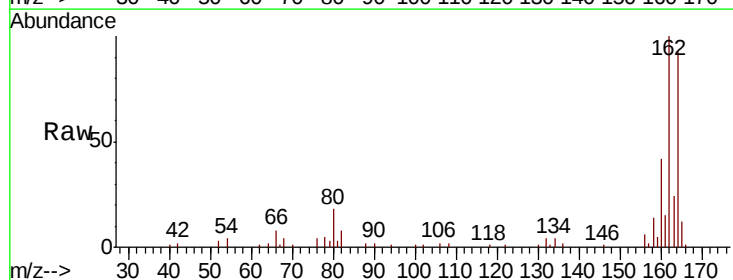
Tgt Ion:165 Resp: 6195

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

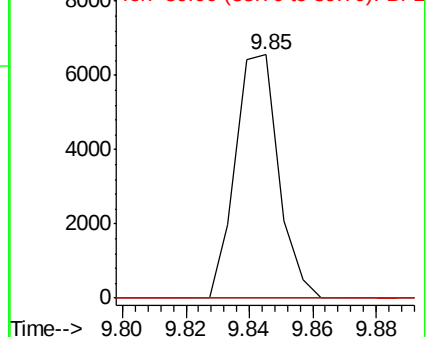
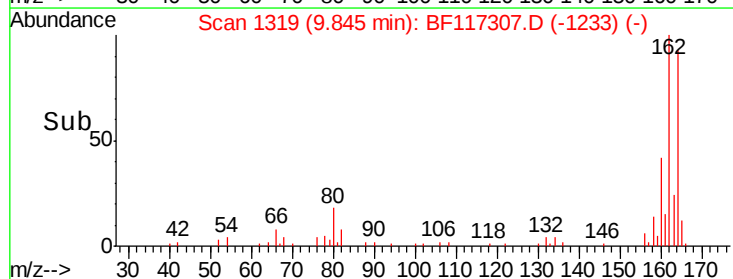
89 0.0 46.5 69.7#

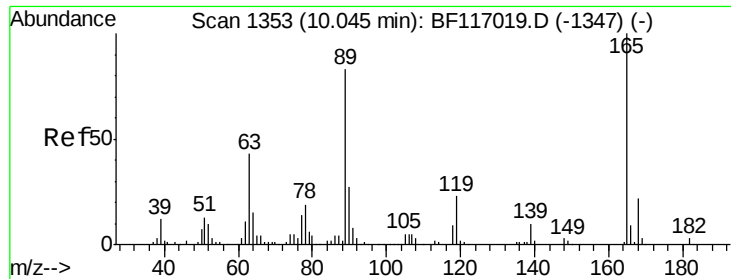


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

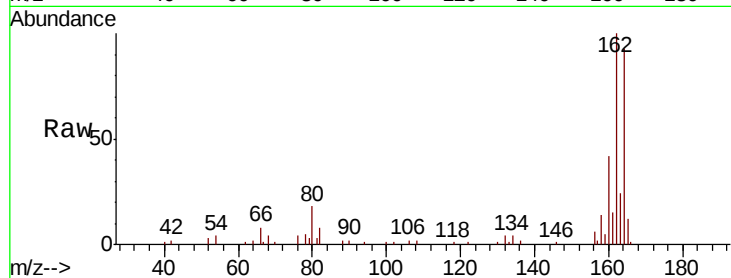




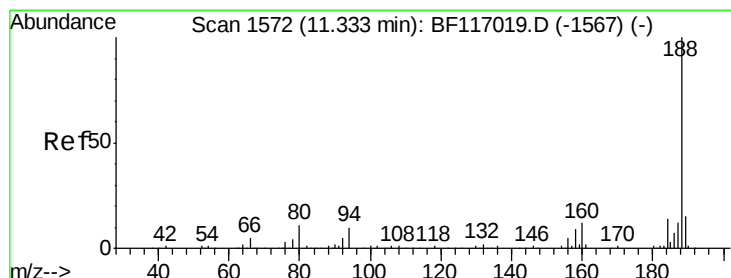
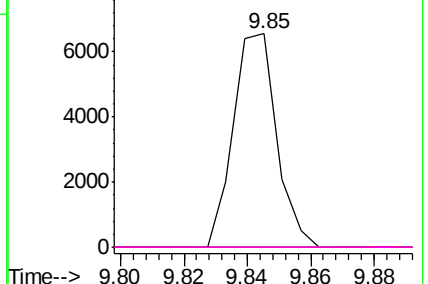
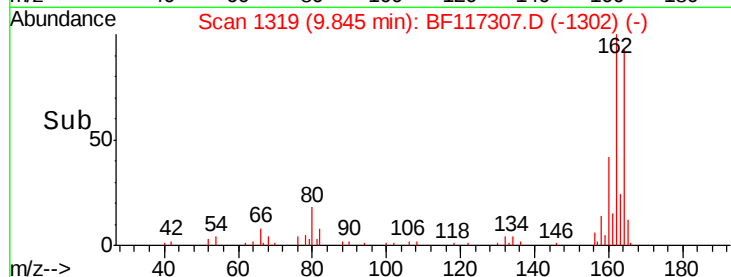
#57
 2,4-Dinitrotoluene
 Concen: 6.563 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF117307.D
 Acq: 2 Oct 2019 18:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	6195
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#

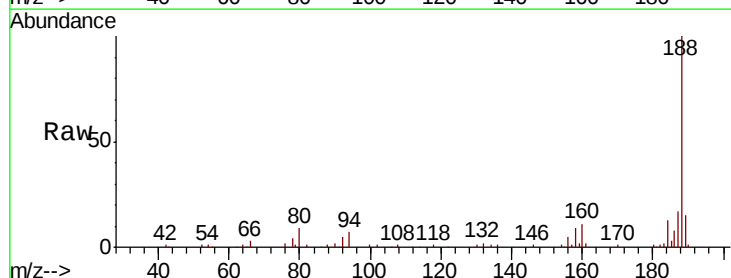


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

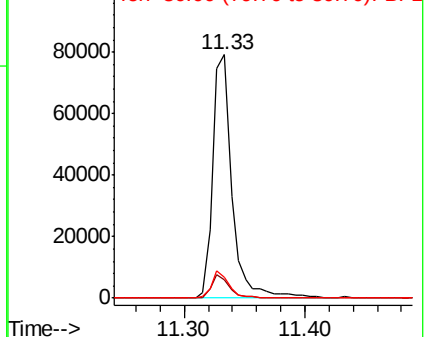
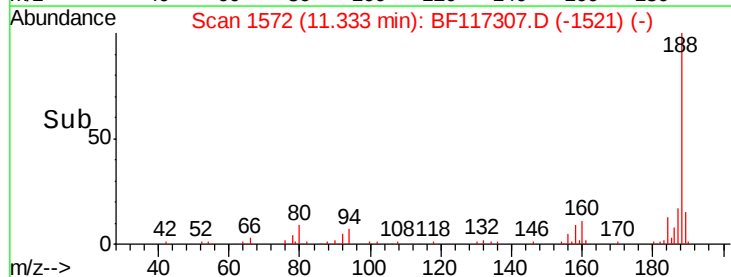


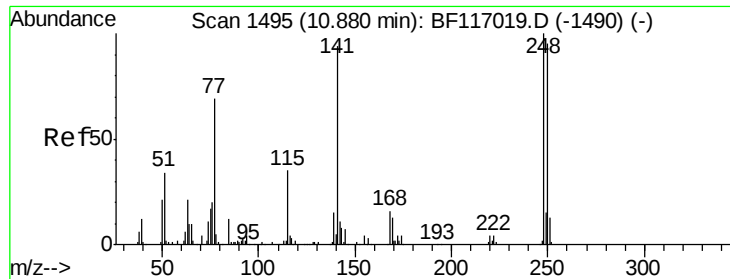
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF117307.D
 Acq: 2 Oct 2019 18:41

Tgt Ion:	188	Resp:	86363
Ion	Ratio	Lower	Upper
188	100		
94	7.5	8.2	12.2#
80	8.8	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

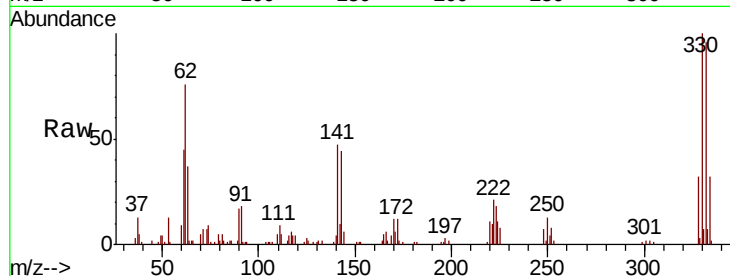




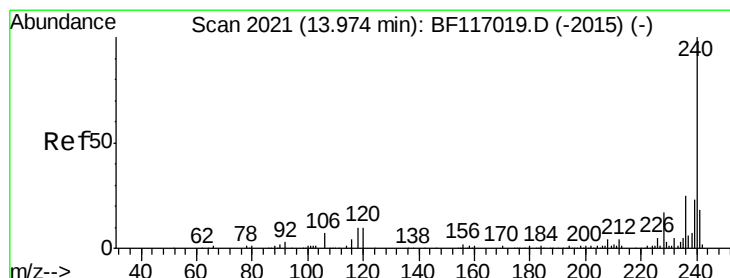
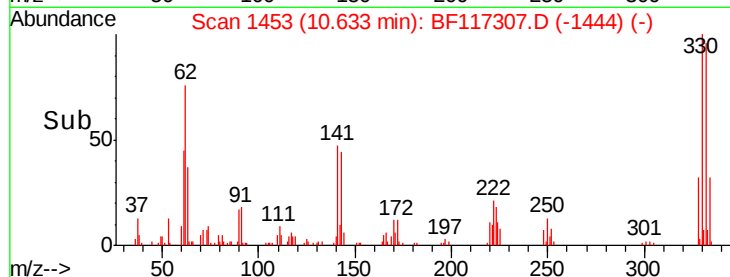
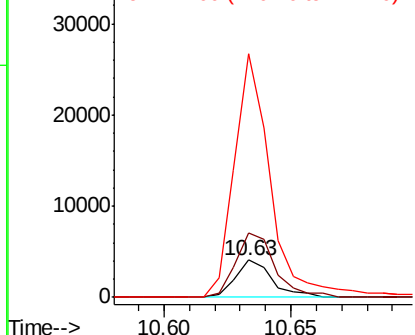
#67
 4-Bromophenyl-phenylether
 Concen: 4.676 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF117307.D
 Acq: 2 Oct 2019 18:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 4124
 Ion Ratio Lower Upper
 248 100
 250 174.5 76.2 114.4#
 141 653.2 75.0 112.4#

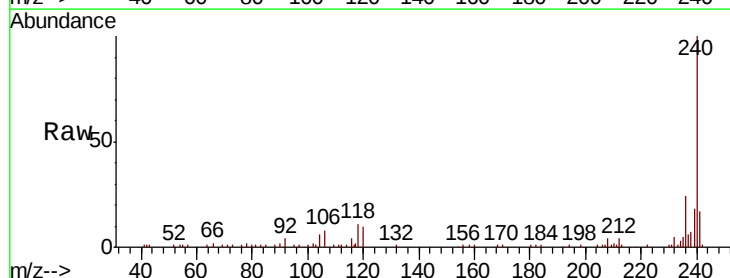


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

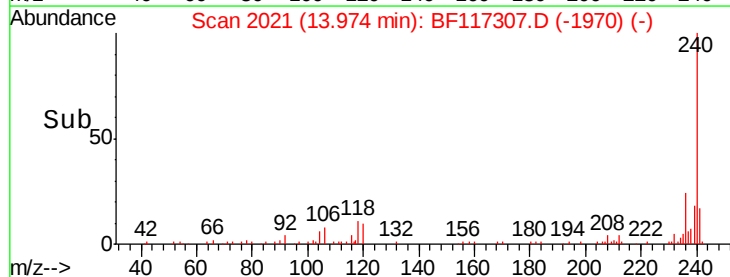
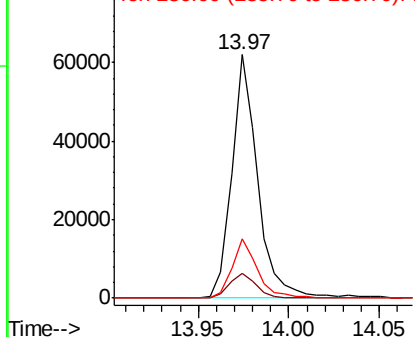


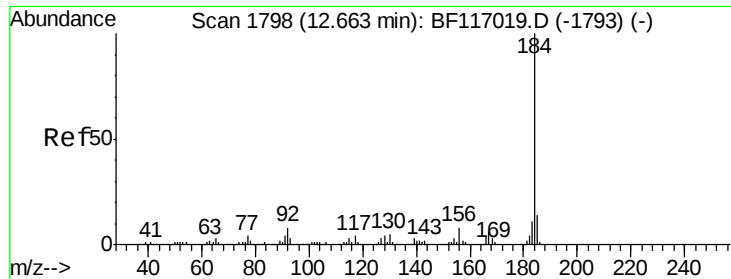
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF117307.D
 Acq: 2 Oct 2019 18:41

Tgt Ion:240 Resp: 61461
 Ion Ratio Lower Upper
 240 100
 120 10.4 8.3 12.5
 236 24.2 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





#77

Benzidine

Concen: 2.233 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF117307.D

Acq: 2 Oct 2019 18:41

Instrument :

BNA_F

ClientSampleId :

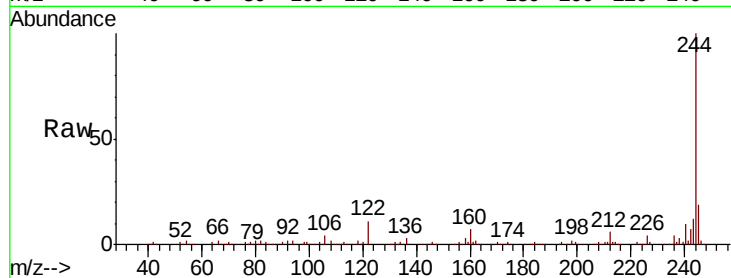
Tot Ion:184 Resp: 4420

Ion Ratio Lower Upper

184 100

185 20.5 11.6 17.4#

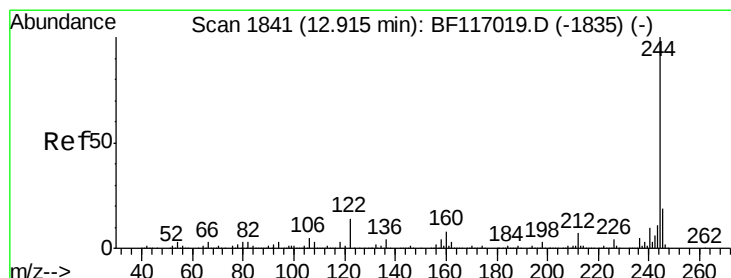
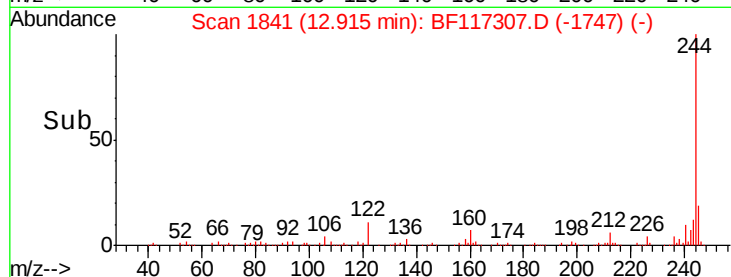
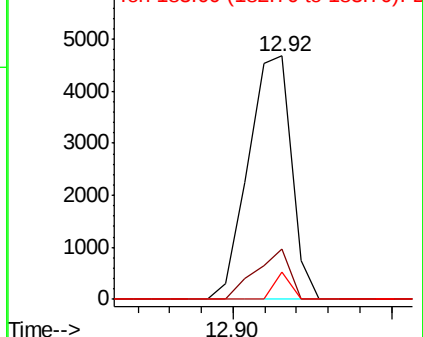
183 11.2 9.0 13.4



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: 101.201 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BF117307.D

Acq: 2 Oct 2019 18:41

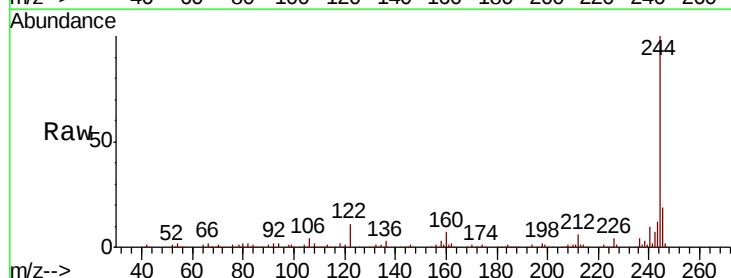
Tgt Ion:244 Resp: 332754

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

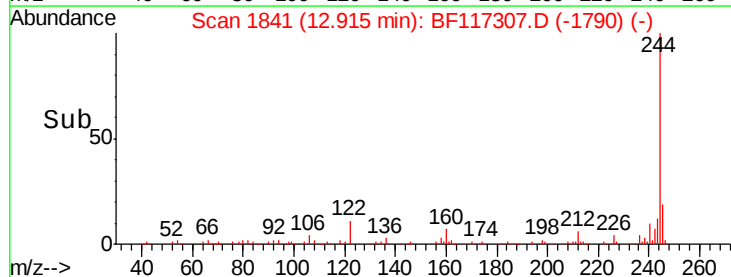
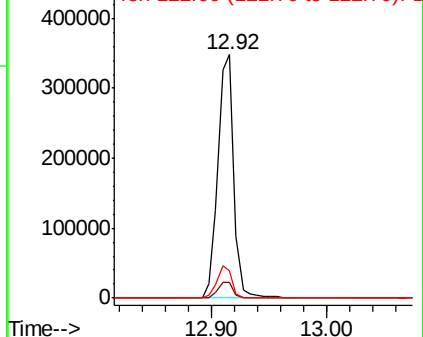
122 11.1 11.3 16.9#

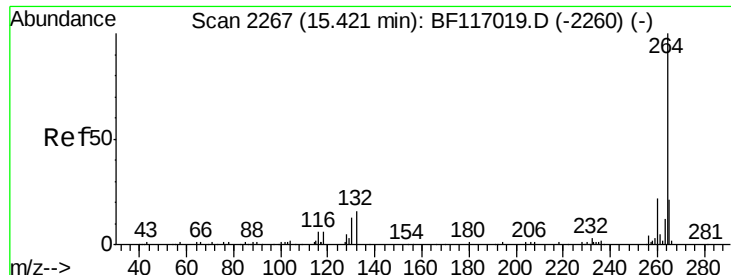


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2269
Delta R.T. 0.01 min
Lab File: BF117307.D
Acq: 2 Oct 2019 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.6	26.4
265	19.0	16.6	24.8

