

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100819\
 Data File : BF117346.D
 Acq On : 8 Oct 2019 17:50
 Operator : JU
 Sample : K5152-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 01:30:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:26:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	43388	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	169927	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	88990	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	151295	20.00	ng	0.00
76) Chrysene-d12	13.97	240	123752	20.00	ng	0.00
87) Perylene-d12	15.42	264	117827	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	346963	124.85	ng	0.01
7) Phenol-d6	6.45	99	444539	123.77	ng	0.00
23) Nitrobenzene-d5	7.36	82	293829	90.85	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	108731	146.19	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	543771	95.54	ng	0.00
79) Terphenyl-d14	12.91	244	595376	89.93	ng	0.00

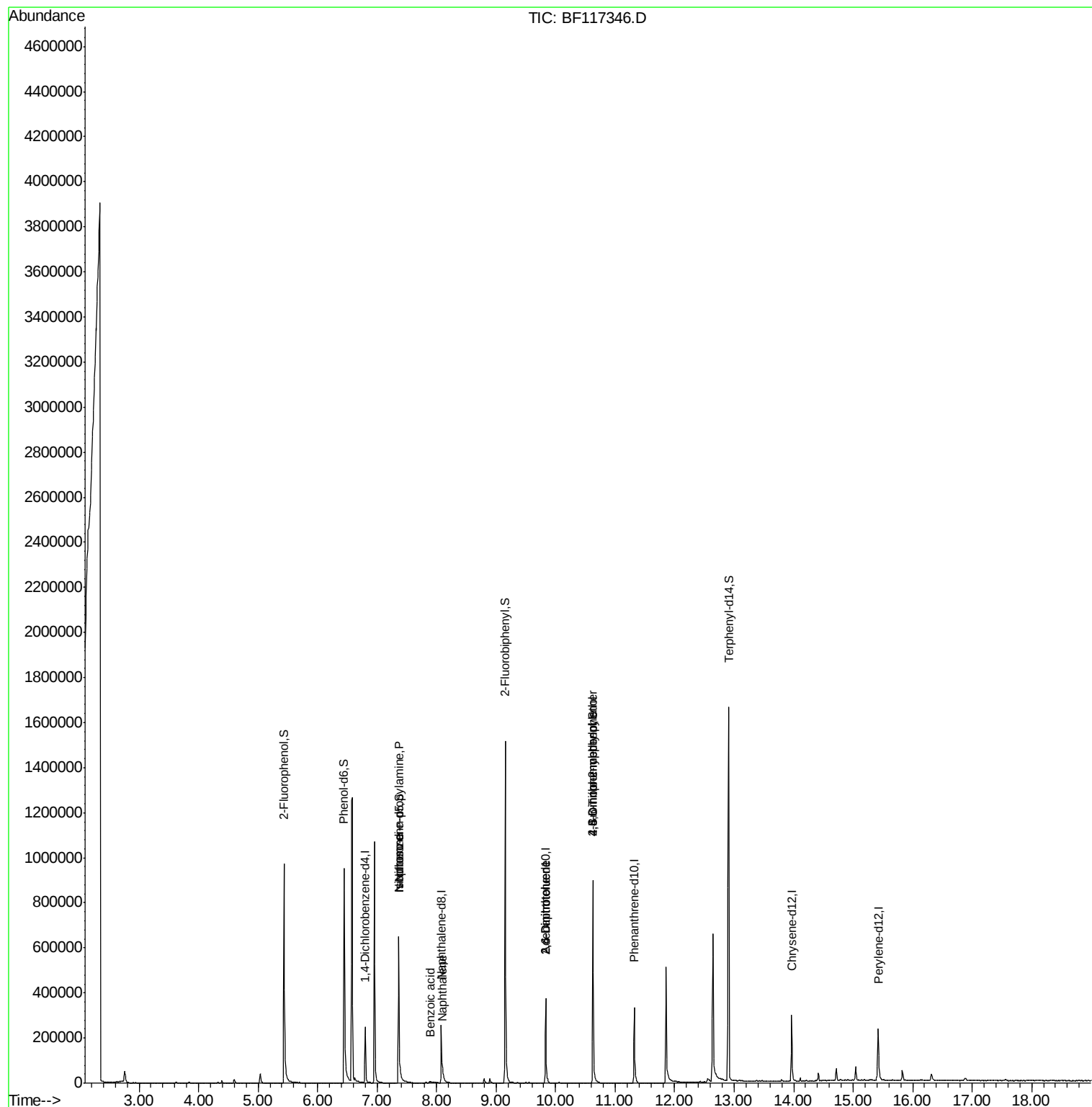
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	530	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.36	70	37382	17.093	ng	# 82
25) Isophorone	7.36	82	293827	51.313	ng	# 66
31) Naphthalene	8.10	128	24348	2.979	ng	# 97
32) Benzoic acid	7.90	122	3483	8.423	ng	# 80
51) 2,6-Dinitrotoluene	9.83	165	11457	8.928	ng	# 24
57) 2,4-Dinitrotoluene	9.83	165	11457	6.878	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.63	198	128	7.061	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	7087	4.587	ng	# 1

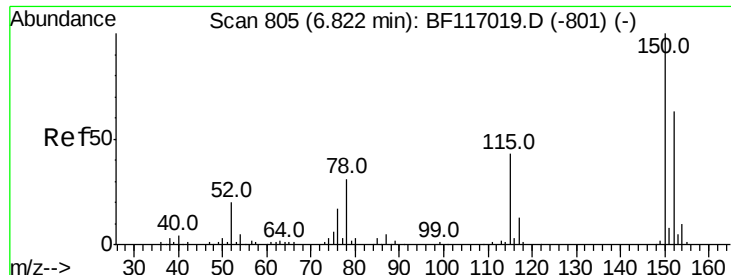
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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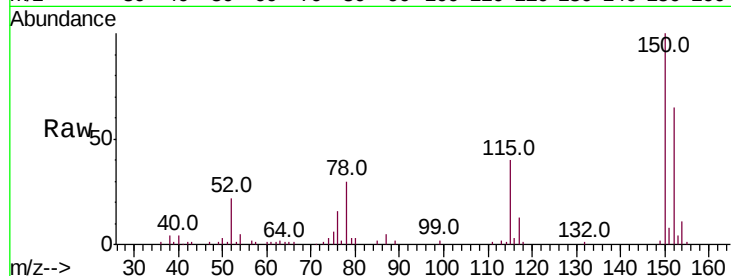


#1

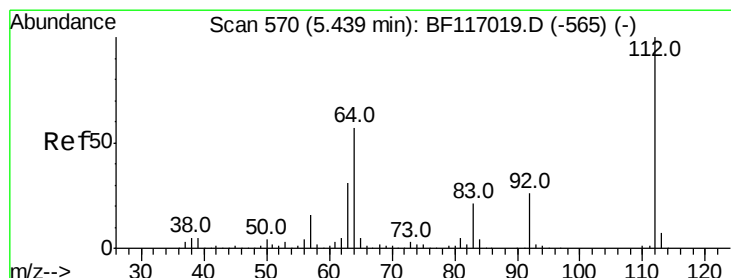
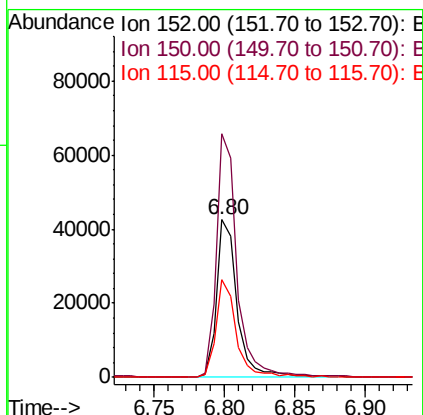
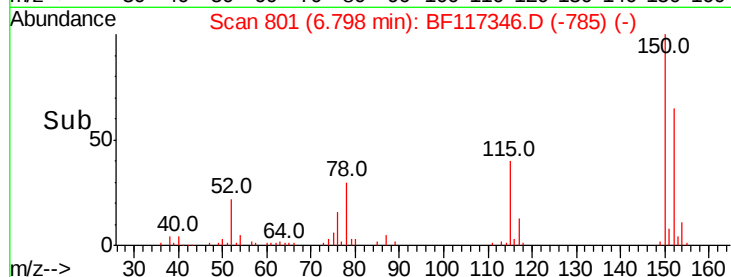
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF117346.D
Acq: 8 Oct 2019 17:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 43388
Ion Ratio Lower Upper
152 100
150 154.6 127.5 191.3
115 62.0 55.0 82.4



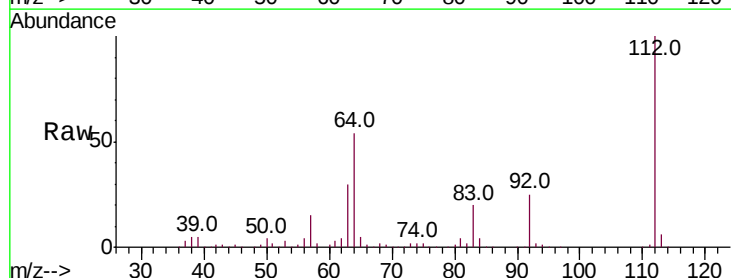
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



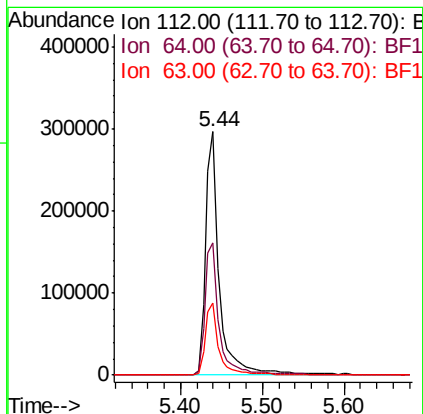
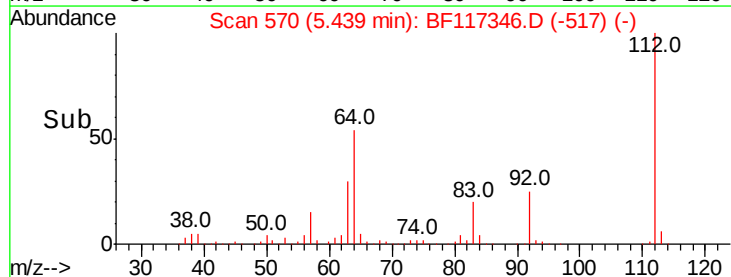
#5

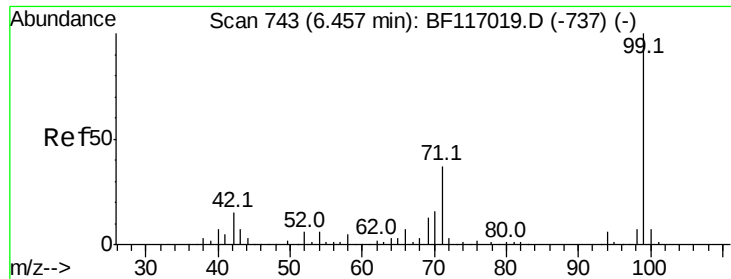
2-Fluorophenol
Concen: 124.849 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.01 min
Lab File: BF117346.D
Acq: 8 Oct 2019 17:50

Tgt Ion:112 Resp: 346963
Ion Ratio Lower Upper
112 100
64 54.1 45.7 68.5
63 29.5 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: 123.774 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117346.D

Acq: 8 Oct 2019 17:50

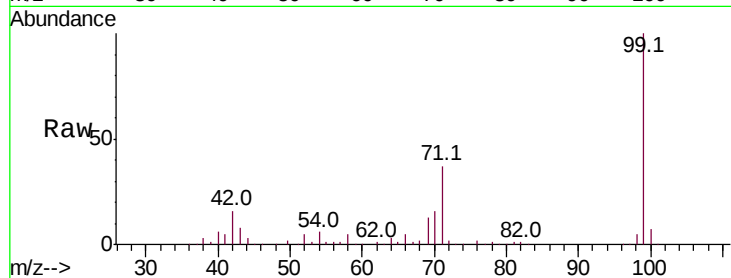
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 444539

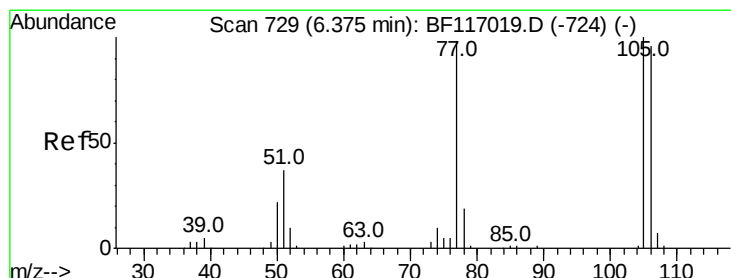
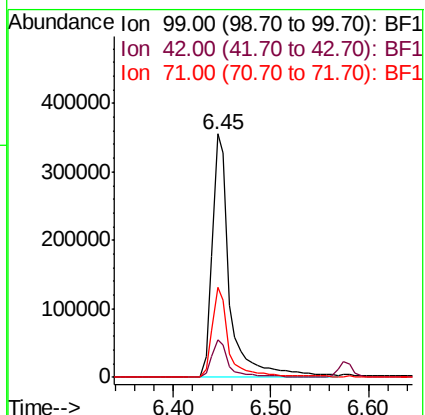
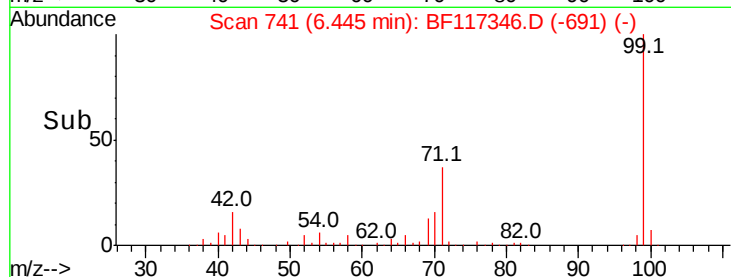
Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.2	18.2
71	37.0	29.8	44.8



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

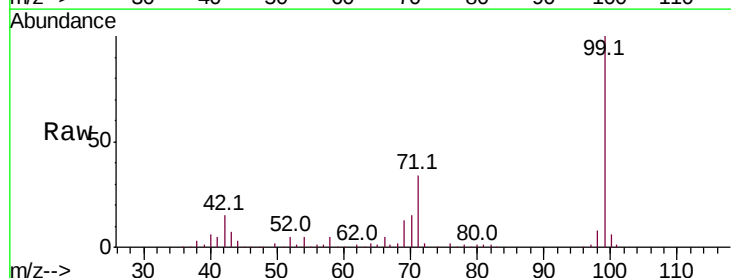
Delta R.T. 0.09 min

Lab File: BF117346.D

Acq: 8 Oct 2019 17:50

Tgt Ion: 77 Resp: 530

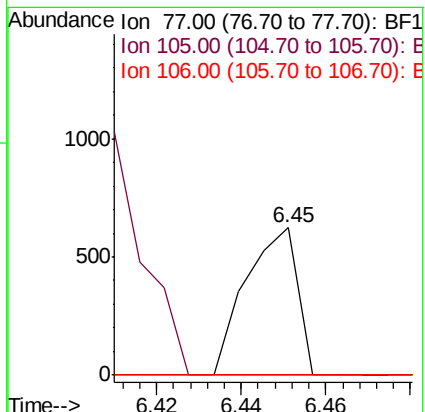
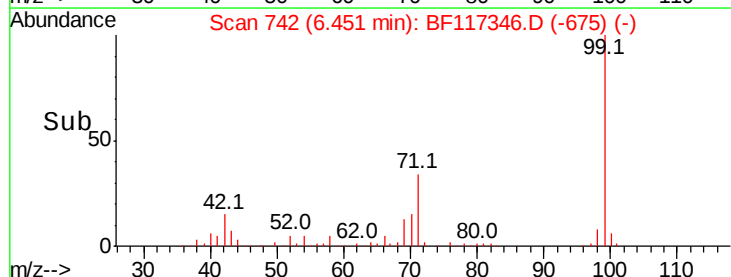
Ion	Ratio	Lower	Upper
77	100		
105	0.0	81.8	121.8#
106	0.0	77.3	117.3#

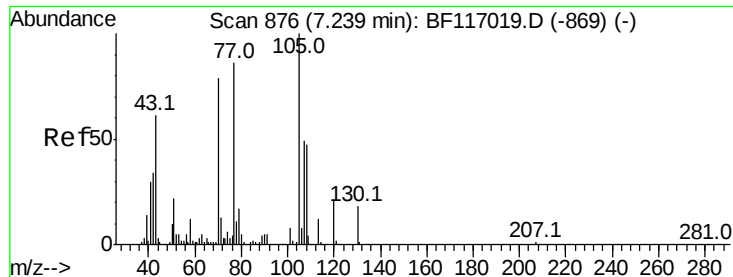


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

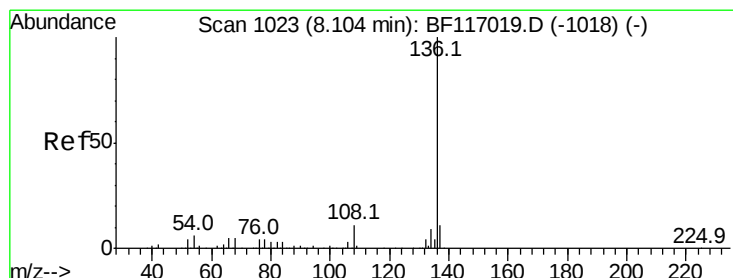
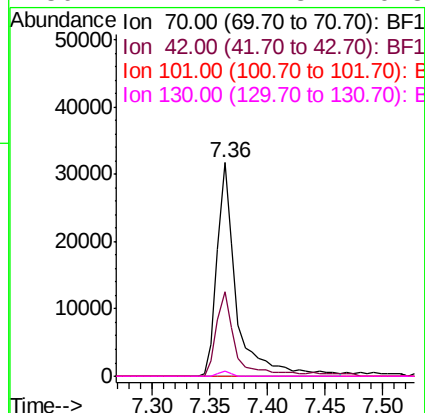
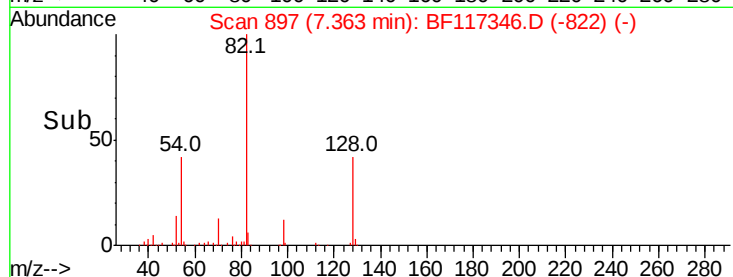
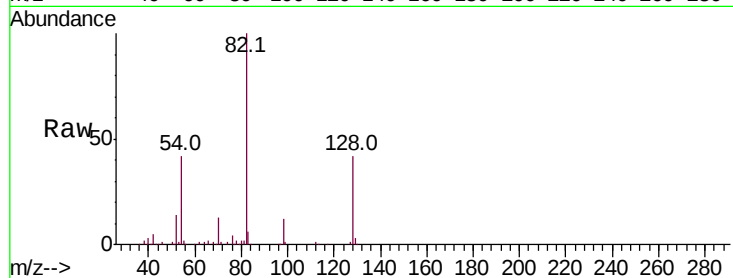




#19
n-Nitroso-di-n-propylamine
Concen: 17.093 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.14 min
Lab File: BF117346.D
Acq: 8 Oct 2019 17:50

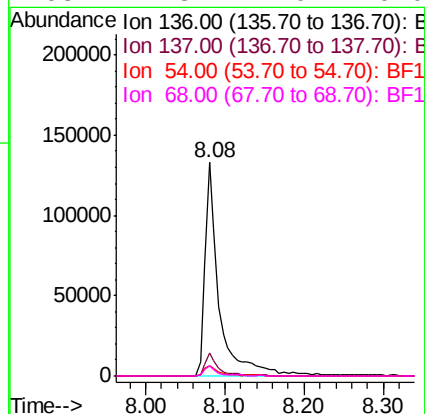
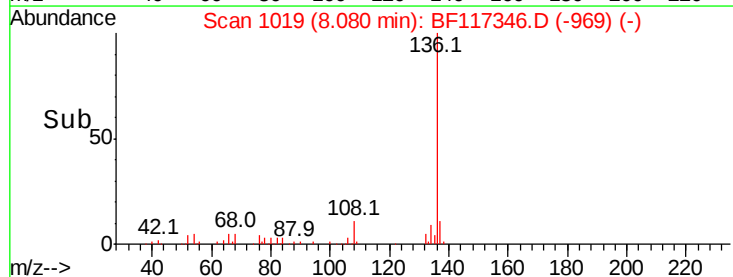
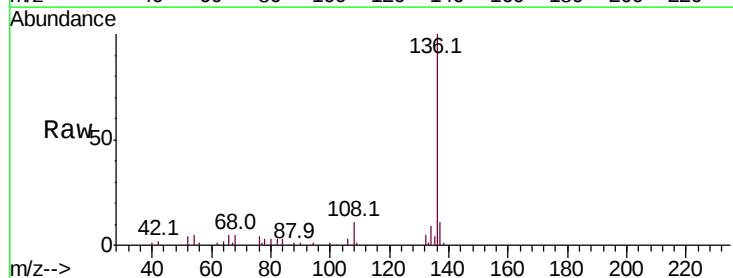
Instrument :
BNA_F
ClientSampled :

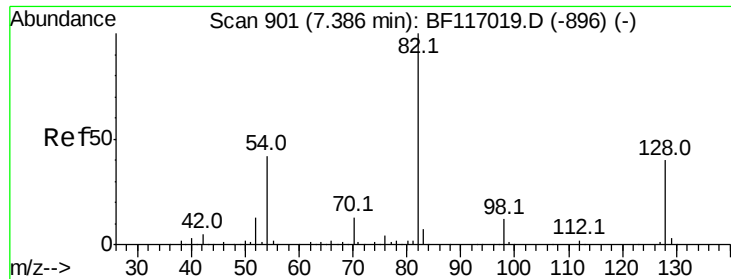
Tot Ion:	70	Resp:	37382
Ion	Ratio	Lower	Upper
70	100		
42	39.7	34.0	51.0
101	0.0	7.8	11.6#
130	2.4	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF117346.D
Acq: 8 Oct 2019 17:50

Tgt Ion:	136	Resp:	169927
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	5.1	4.5	6.7
68	4.8	4.0	6.0

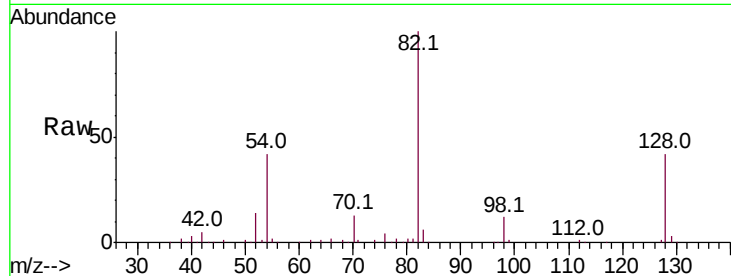




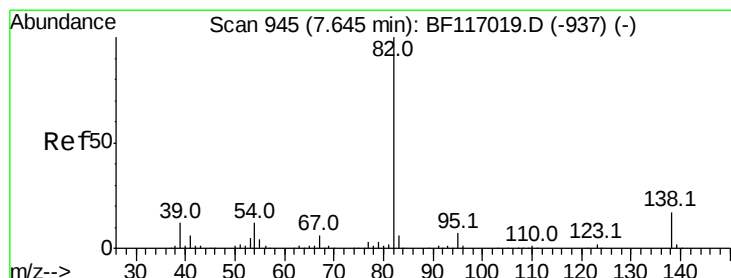
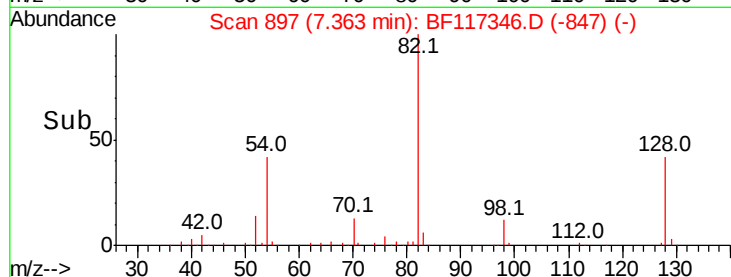
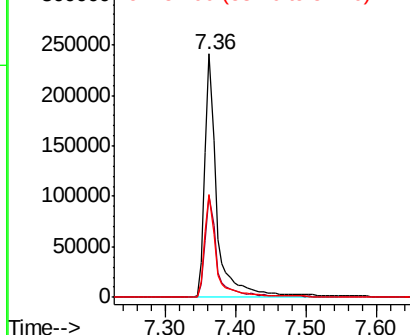
#23
Nitrobenzene-d5
Concen: 90.854 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF117346.D
Acq: 8 Oct 2019 17:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	293829
Ion Ratio	100	Lower	Upper
128	41.8	32.3	48.5
54	42.0	33.3	49.9

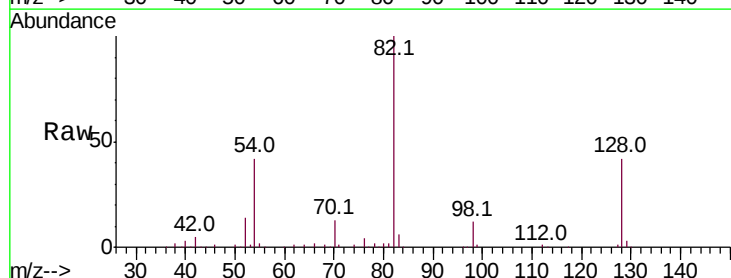


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

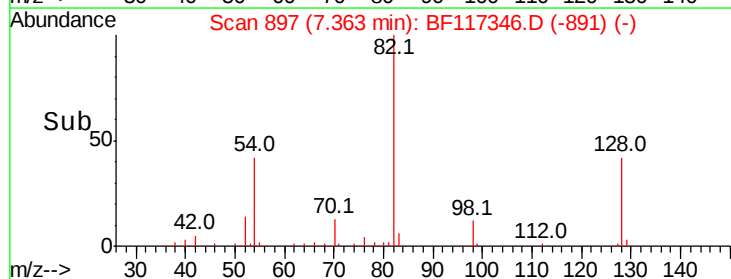
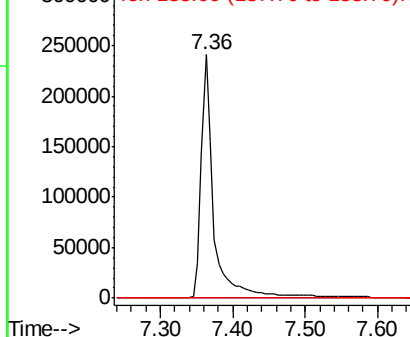


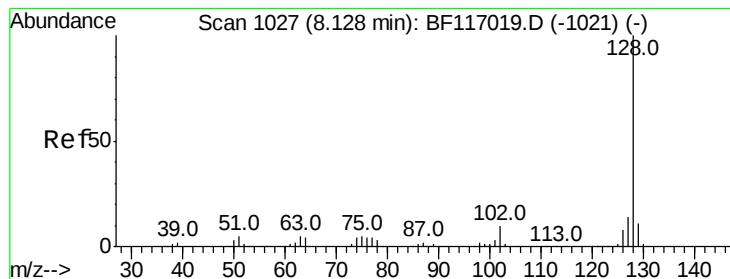
#25
Isophorone
Concen: 51.313 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF117346.D
Acq: 8 Oct 2019 17:50

Tgt Ion	82	Resp	293827
Ion Ratio	100	Lower	Upper
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





#31

Naphthalene

Concen: 2.979 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF117346.D

Acq: 8 Oct 2019 17:50

Instrument :

BNA_F

ClientSampleId :

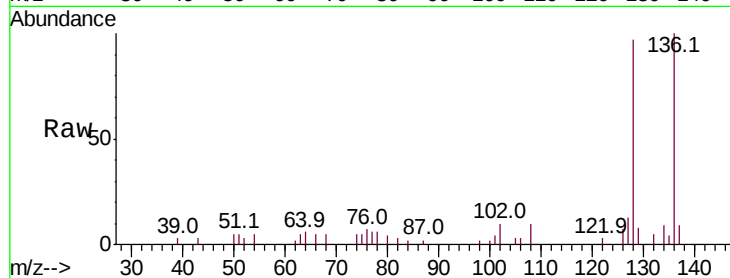
Tot Ion:128 Resp: 24348

Ion Ratio Lower Upper

128 100

129 8.7 9.0 13.4#

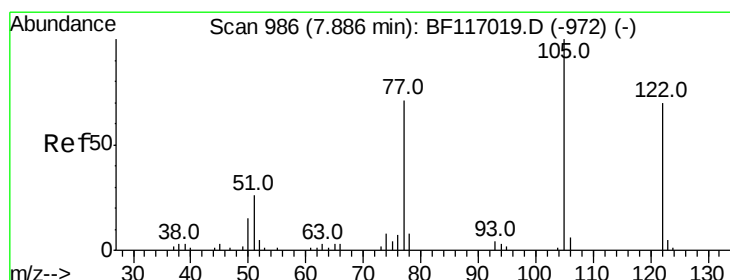
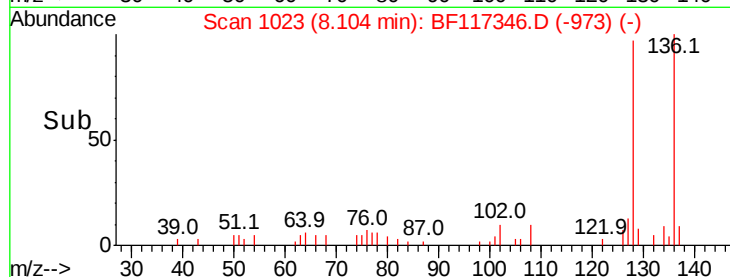
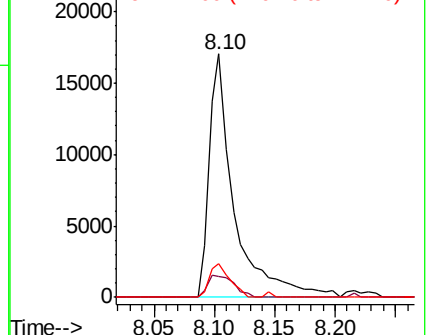
127 13.8 10.8 16.2



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



#32

Benzoic acid

Concen: 8.423 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.01 min

Lab File: BF117346.D

Acq: 8 Oct 2019 17:50

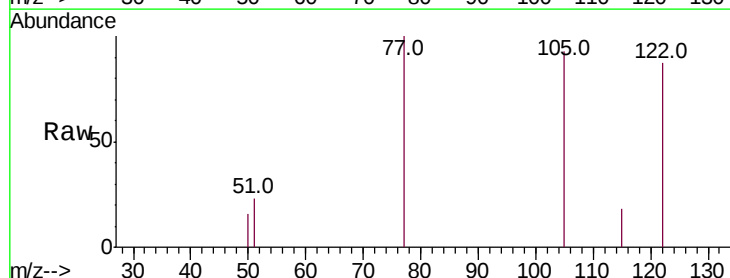
Tgt Ion:122 Resp: 3483

Ion Ratio Lower Upper

122 100

105 106.8 114.8 154.8#

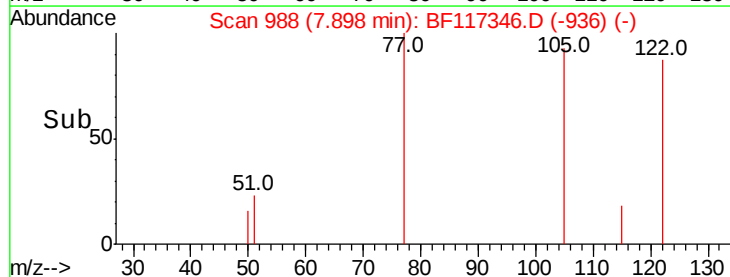
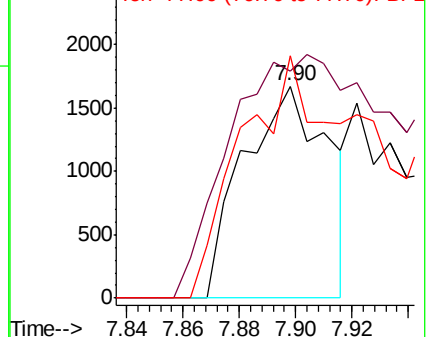
77 114.5 78.7 118.7

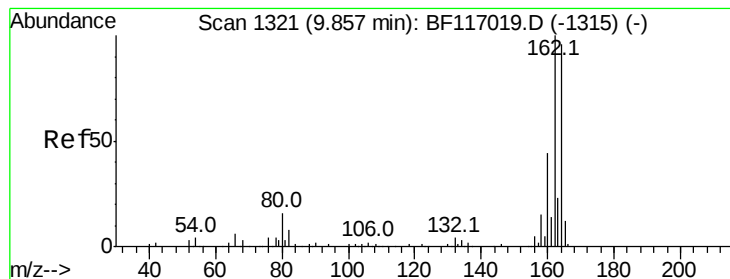


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF117346.D

Acq: 8 Oct 2019 17:50

Instrument :

BNA_F

ClientSampled :

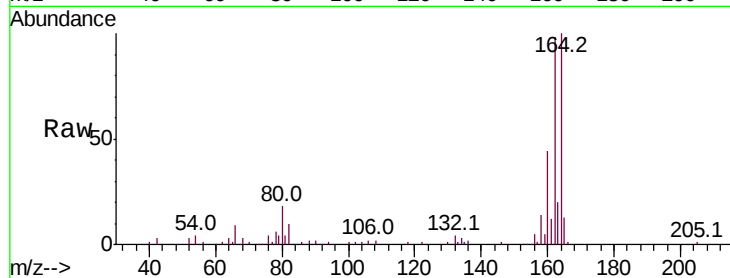
Tot Ion:164 Resp: 88990

Ion Ratio Lower Upper

164 100

162 98.3 83.4 125.2

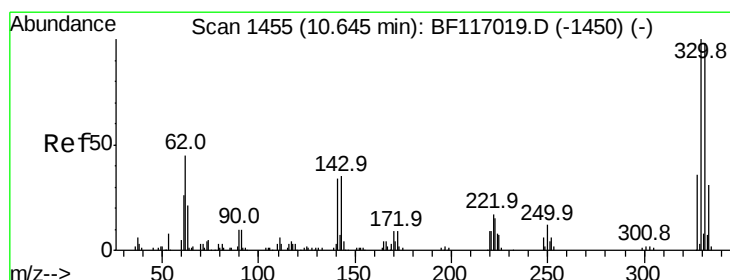
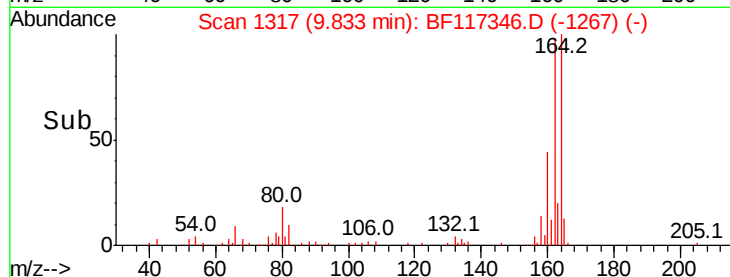
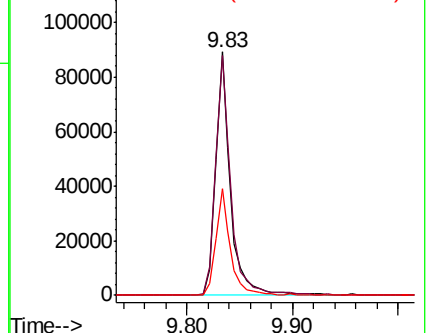
160 43.6 36.4 54.6



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: 146.192 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF117346.D

Acq: 8 Oct 2019 17:50

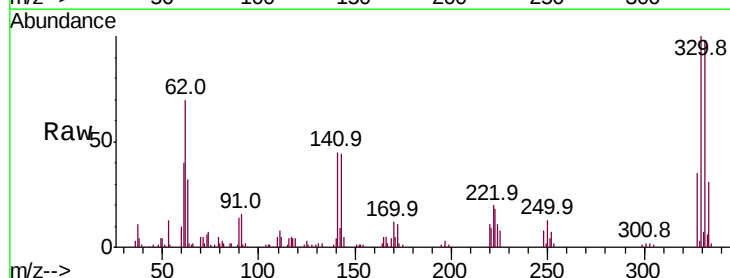
Tgt Ion:330 Resp: 108731

Ion Ratio Lower Upper

330 100

332 97.2 78.0 117.0

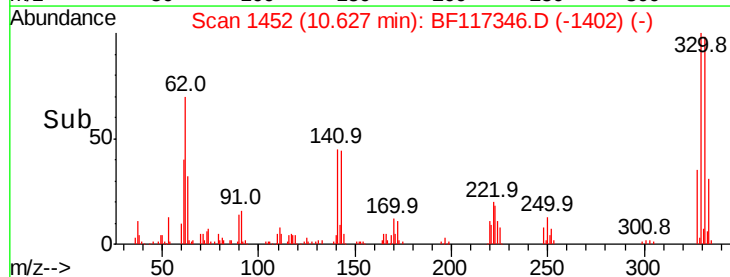
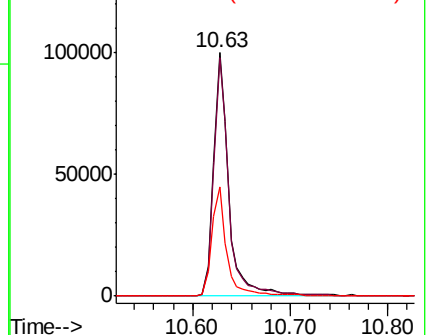
141 44.1 35.8 53.6

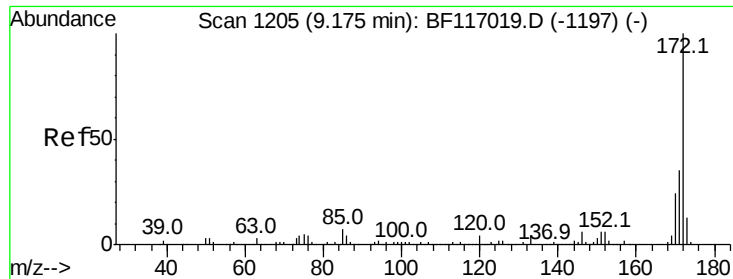


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



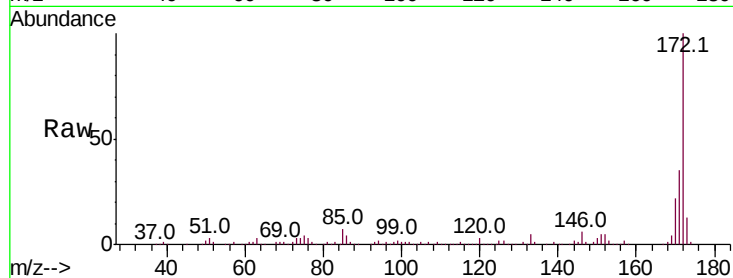


#45
 2-Fluorobiphenyl
 Concen: 95.542 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF117346.D
 Acq: 8 Oct 2019 17:50

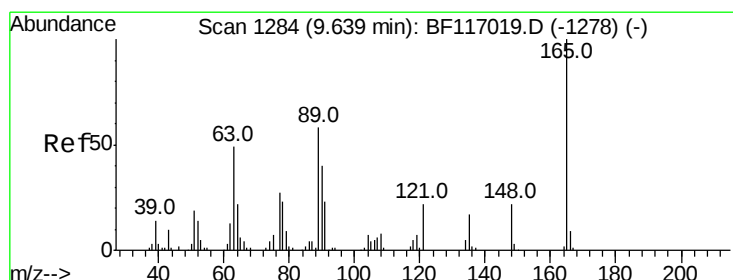
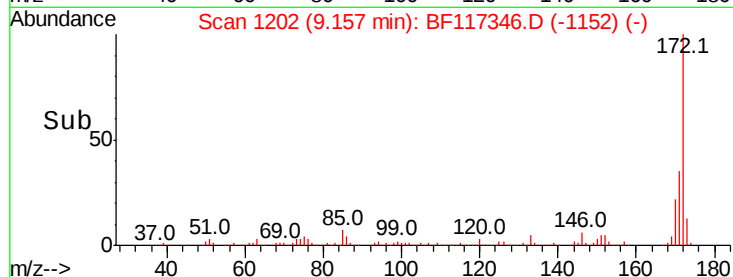
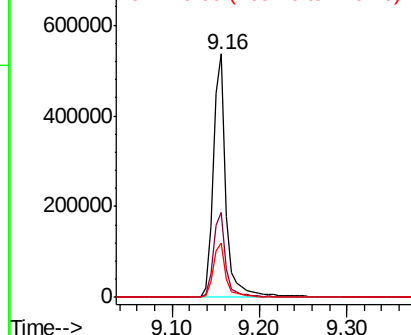
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 543771

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.2
170	22.3	18.9	28.3



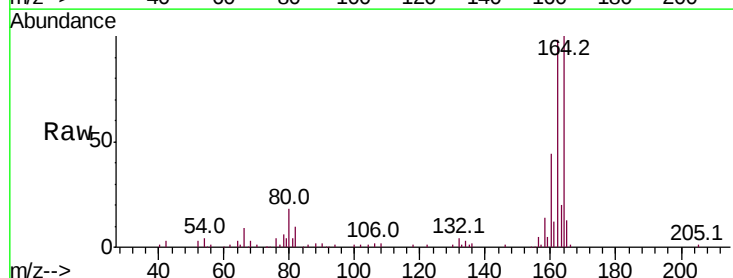
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



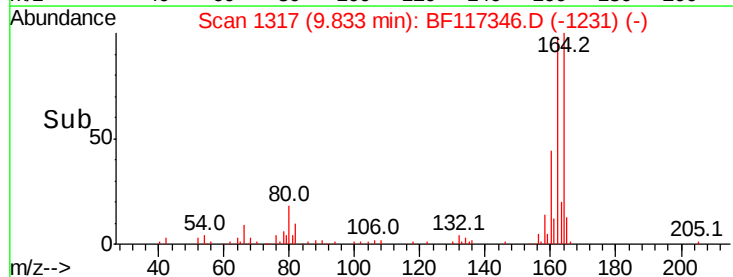
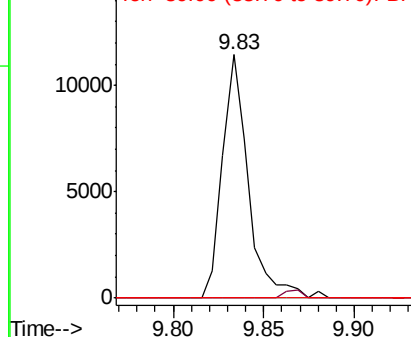
#51
 2,6-Dinitrotoluene
 Concen: 8.928 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.21 min
 Lab File: BF117346.D
 Acq: 8 Oct 2019 17:50

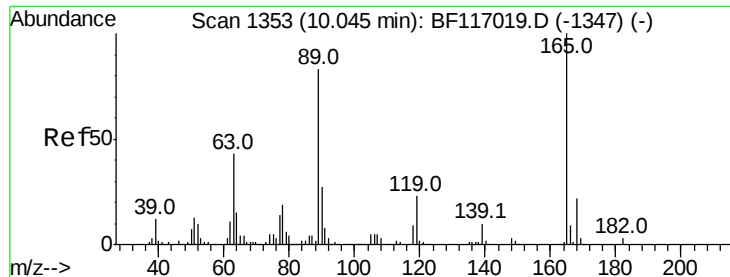
Tgt Ion:165 Resp: 11457

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

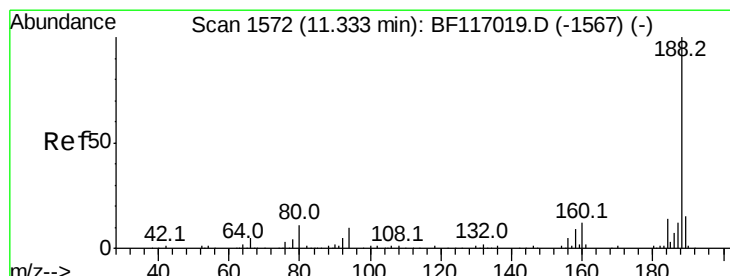
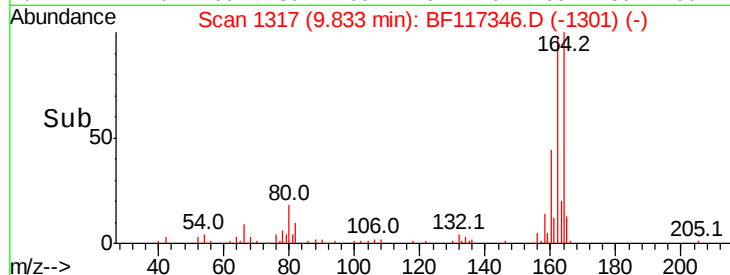
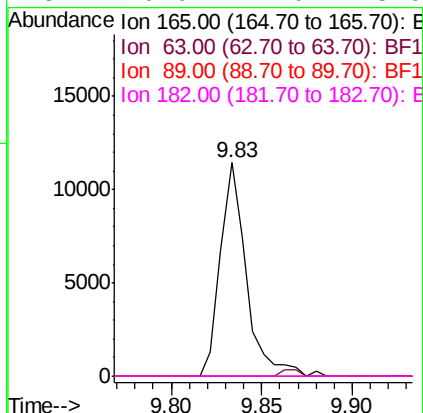
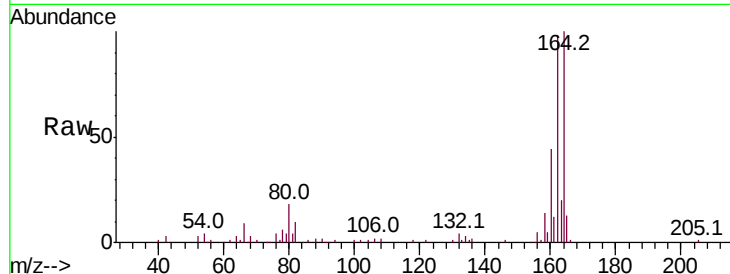




#57
 2,4-Dinitrotoluene
 Concen: 6.878 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.21 min
 Lab File: BF117346.D
 Acq: 8 Oct 2019 17:50

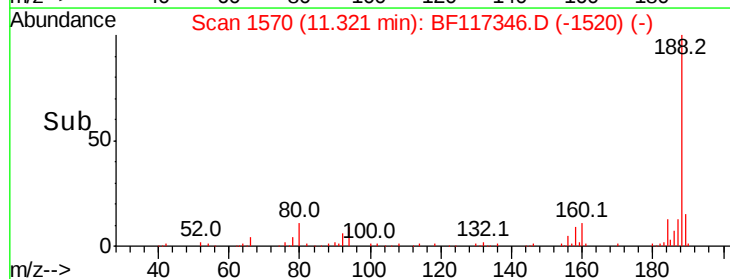
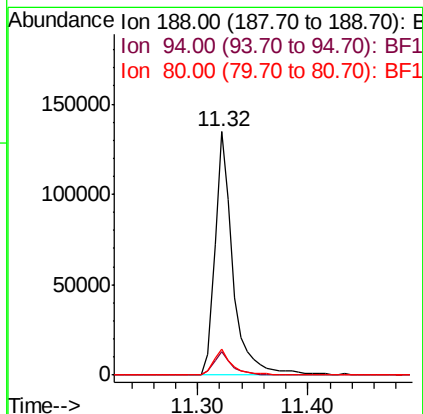
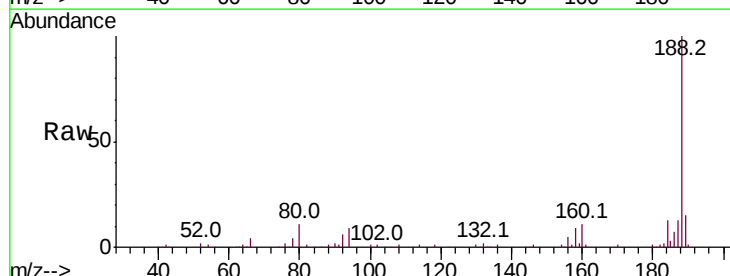
Instrument :
 BNA_F
 ClientSampleId :

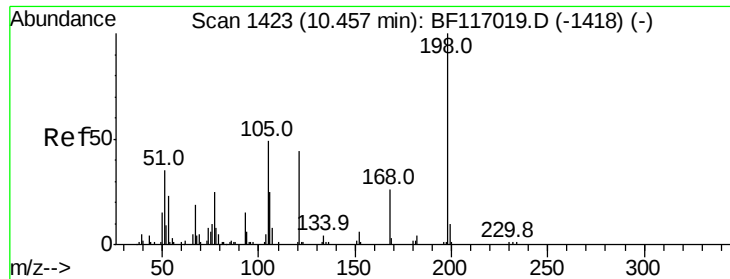
Tot Ion:	165	Resp:	11457
Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF117346.D
 Acq: 8 Oct 2019 17:50

Tgt Ion:	188	Resp:	151295
Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.2	12.2
80	10.7	9.0	13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.061 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.17 min

Lab File: BF117346.D

Acq: 8 Oct 2019 17:50

Instrument :

BNA_F

ClientSampleId :

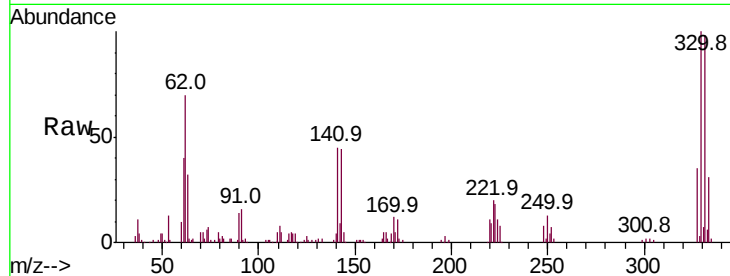
Tot Ion:198 Resp: 128

Ion Ratio Lower Upper

198 100

51 166.9 18.7 58.7#

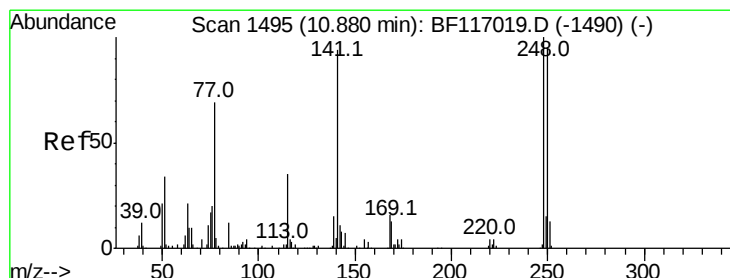
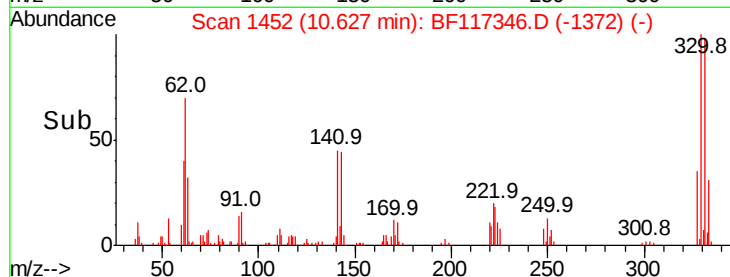
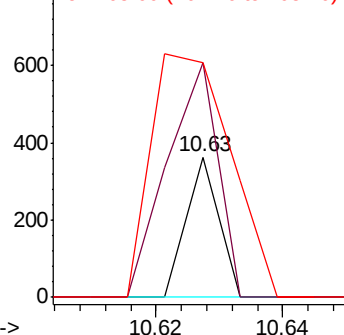
105 167.2 30.2 70.2#



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: 4.587 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BF117346.D

Acq: 8 Oct 2019 17:50

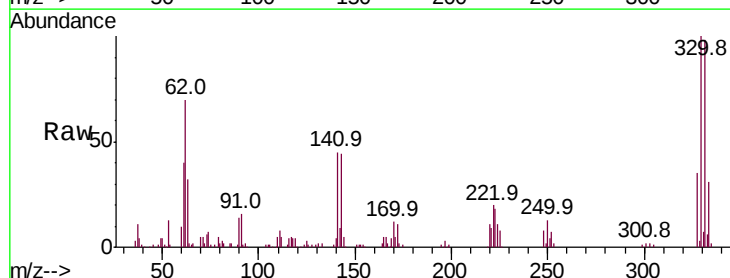
Tgt Ion:248 Resp: 7087

Ion Ratio Lower Upper

248 100

250 169.0 76.2 114.4#

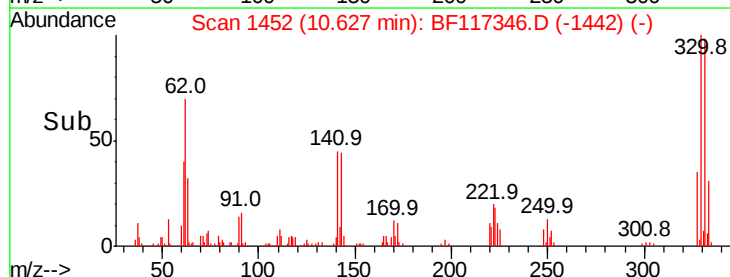
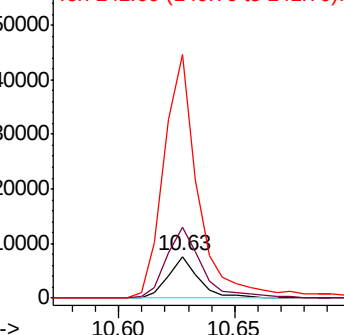
141 584.3 75.0 112.4#

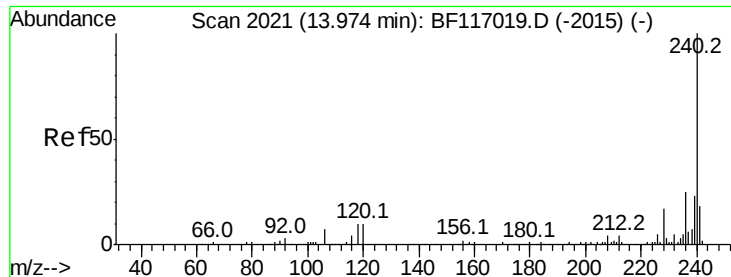


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

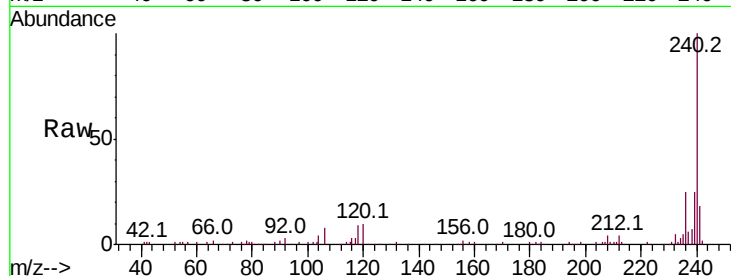




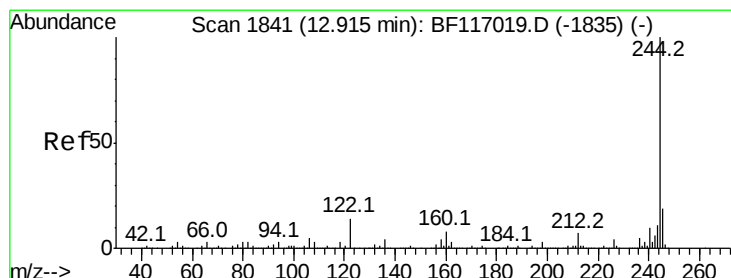
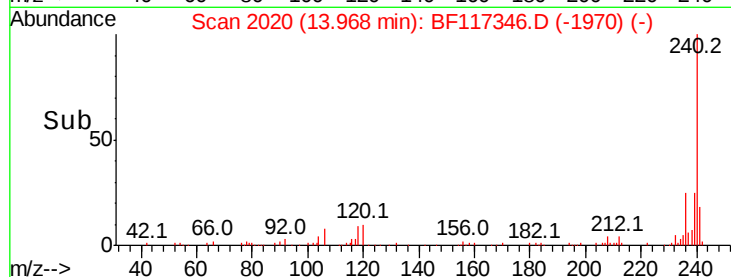
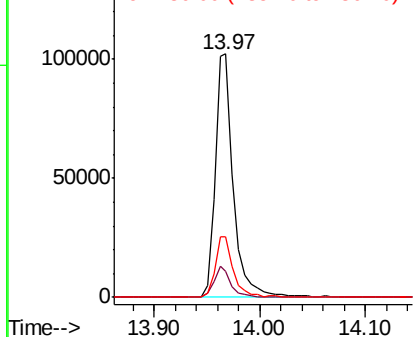
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117346.D
 Acq: 8 Oct 2019 17:50

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:240 Resp: 123752
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.3 12.5
 236 24.7 20.3 30.5

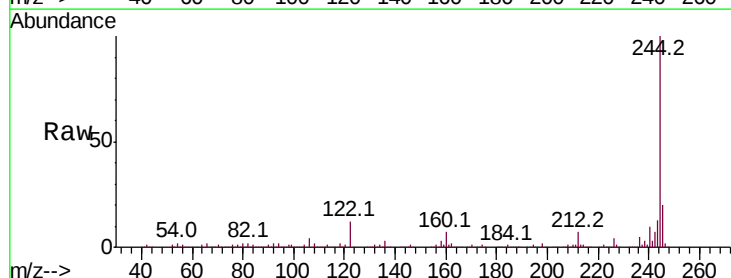


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

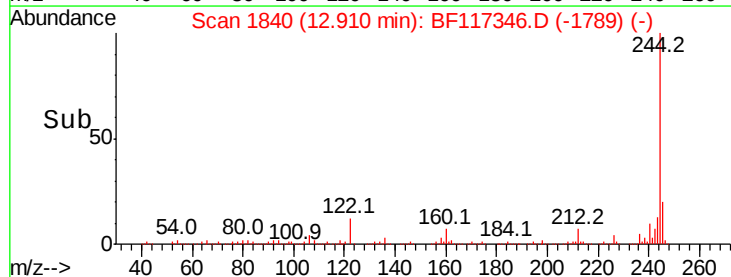
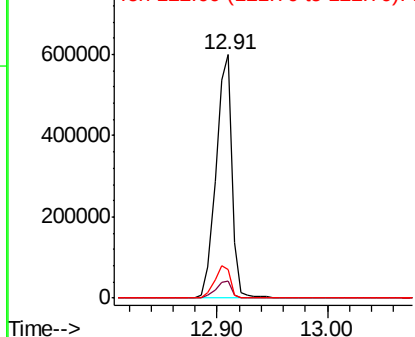


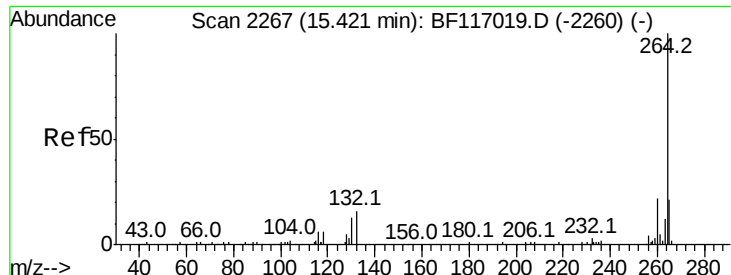
#79
 Terphenyl-d14
 Concen: 89.929 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BF117346.D
 Acq: 8 Oct 2019 17:50

Tgt Ion:244 Resp: 595376
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 11.7 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# 2267
 Delta R.T. -0.01 min
 Lab File: BF117346.D
 Acq: 8 Oct 2019 17:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.6	26.4
265	20.5	16.6	24.8

