

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
 Data File : BF117160.D
 Acq On : 18 Sep 2019 22:14
 Operator : HP/JU
 Sample : K4942-0
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:16:37 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

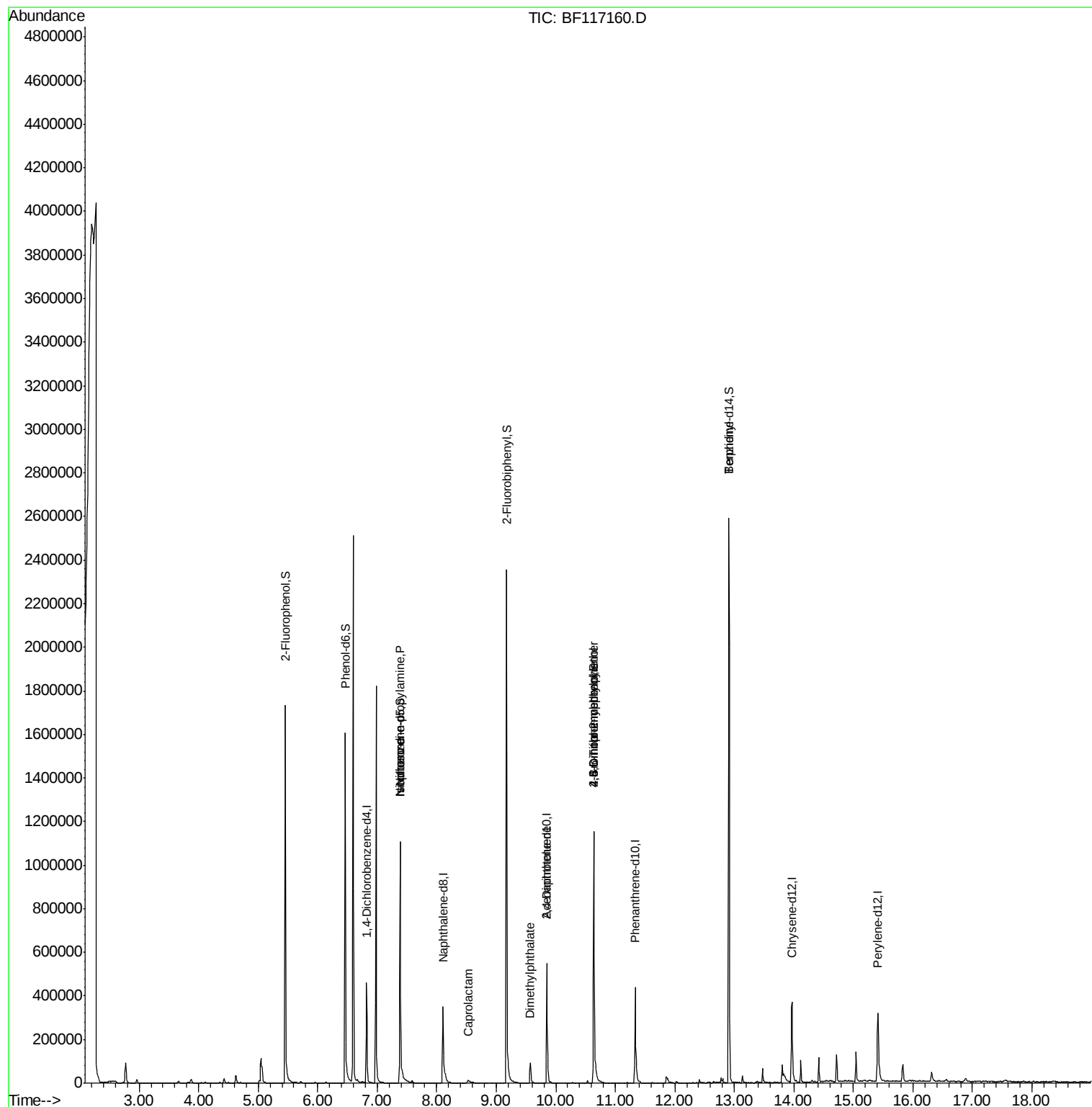
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	68628	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	268785	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	141474	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	238995	20.00	ng	0.00
76) Chrysene-d12	13.97	240	172213	20.00	ng	0.00
87) Perylene-d12	15.42	264	161361	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	532714	121.19	ng	0.02
7) Phenol-d6	6.46	99	630629	111.01	ng	0.00
23) Nitrobenzene-d5	7.39	82	505356	98.79	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	178703	151.14	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	872189	96.39	ng	0.00
79) Terphenyl-d14	12.91	244	897214	97.38	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	749	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	65962	19.068	ng	# 1
25) Isophorone	7.39	82	505353	55.794	ng	# 77
35) Caprolactam	8.53	113	4641	3.803	ng	# 66
50) Dimethylphthalate	9.57	163	65162	6.505	ng	# 93
57) 2,4-Dinitrotoluene	9.85	165	17150	6.476	ng	# 98
65) 4,6-Dinitro-2-methylphenol	10.64	198	131	7.005	ng	# 18
67) 4-Bromophenyl-phenylether	10.64	248	11446	4.690	ng	# 1
77) Benzidine	12.91	184	13218	2.383	ng	# 93

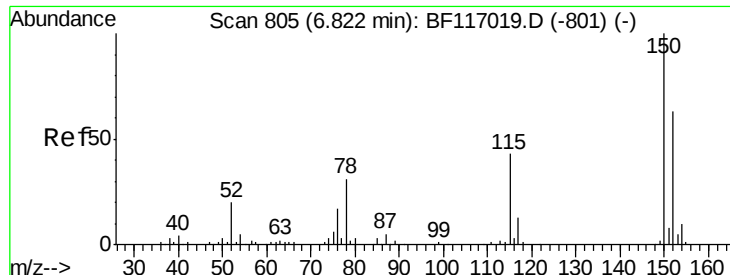
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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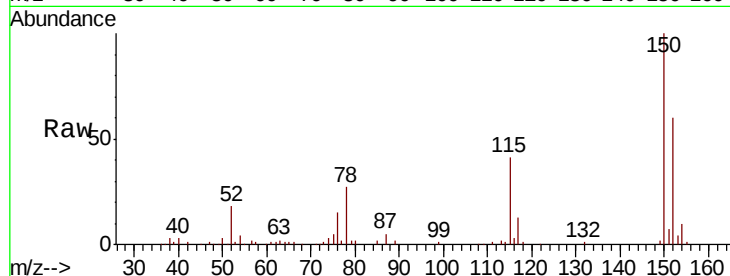


#1

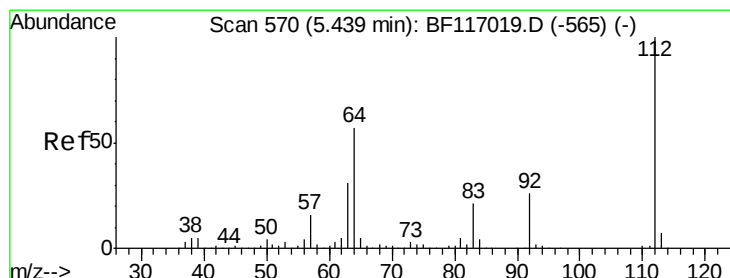
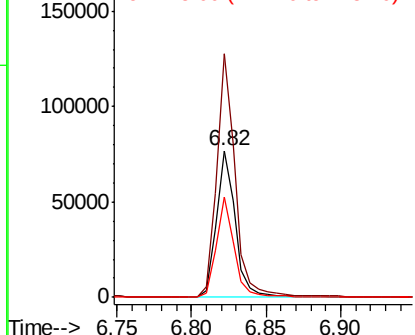
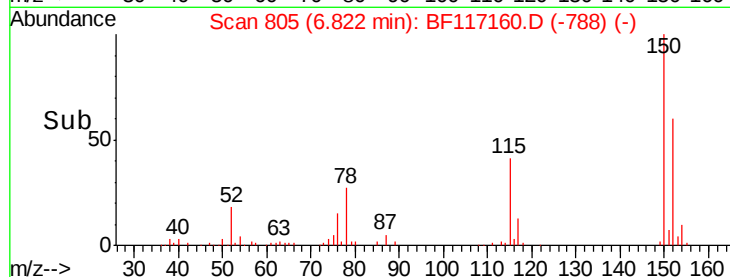
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117160.D
Acq: 18 Sep 2019 22:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 68628
Ion Ratio Lower Upper
152 100
150 166.0 127.5 191.3
115 68.6 55.0 82.4



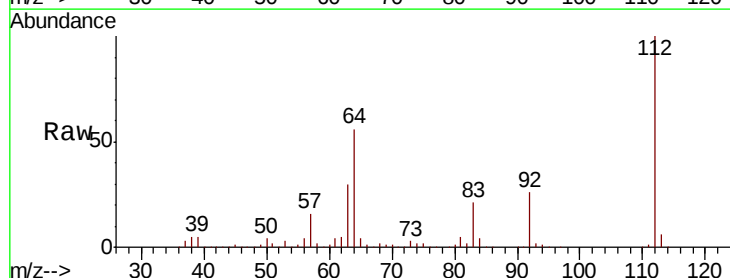
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



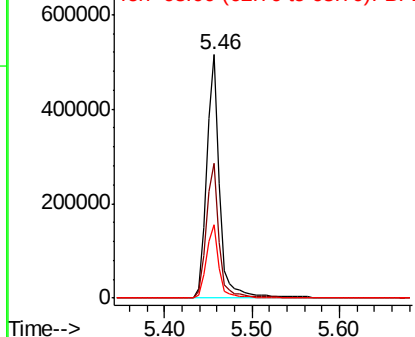
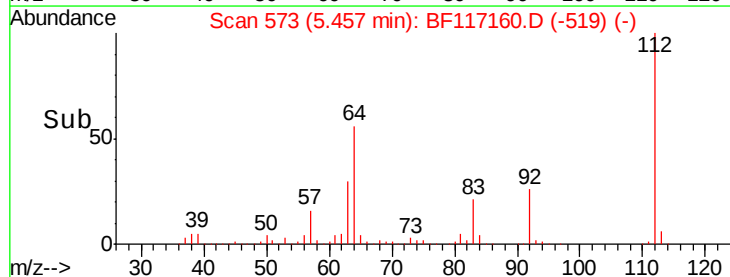
#5

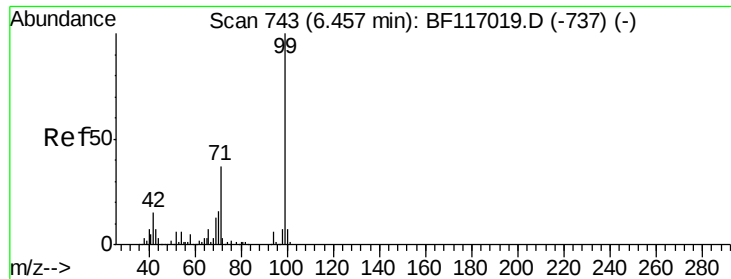
2-Fluorophenol
Concen: 121.189 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117160.D
Acq: 18 Sep 2019 22:14

Tgt Ion:112 Resp: 532714
Ion Ratio Lower Upper
112 100
64 55.5 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: 111.010 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117160.D

Acq: 18 Sep 2019 22:14

Instrument :

BNA_F

ClientSampleId :

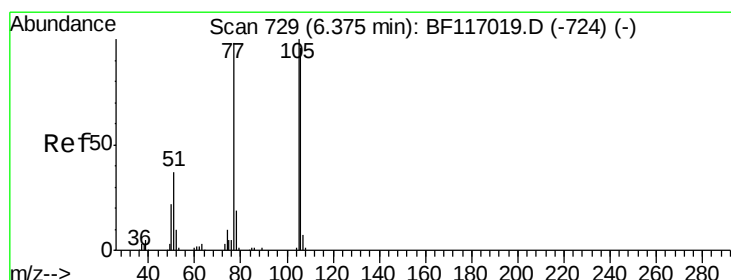
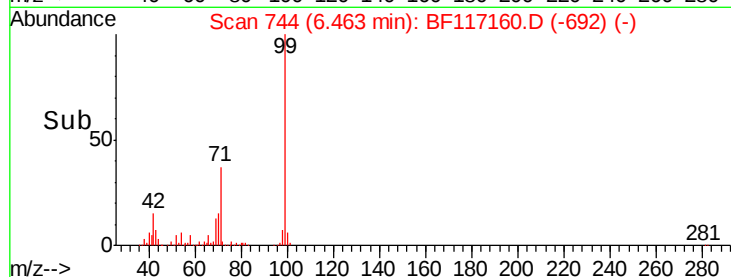
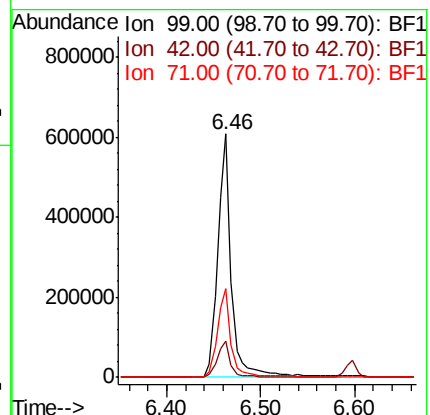
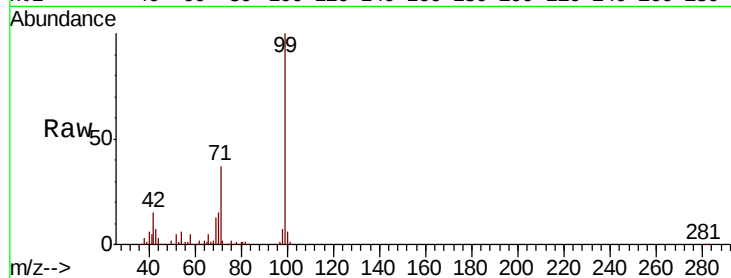
Tot Ion: 99 Resp: 630629

Ion Ratio Lower Upper

99 100

42 15.0 12.2 18.2

71 36.7 29.8 44.8



#9

Benzaldehyde

Concen: Below Cal

RT: 6.46 min Scan# 744

Delta R.T. 0.09 min

Lab File: BF117160.D

Acq: 18 Sep 2019 22:14

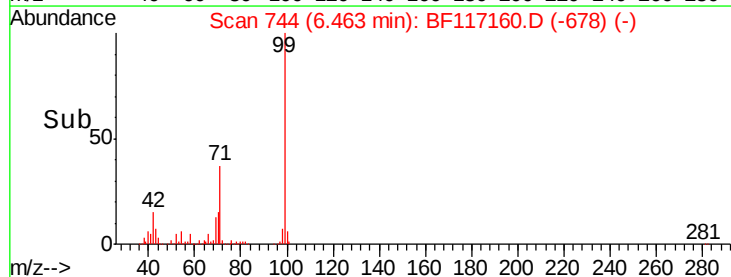
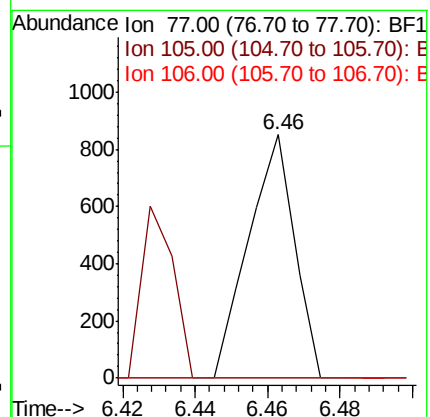
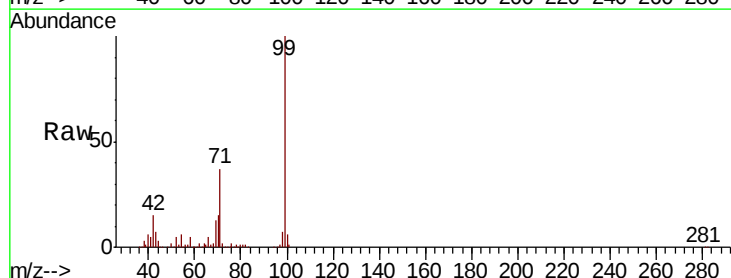
Tgt Ion: 77 Resp: 749

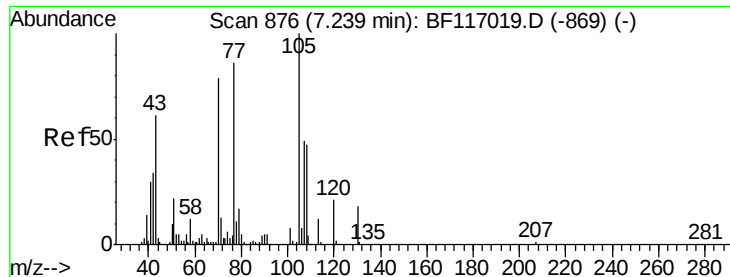
Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

106 0.0 77.3 117.3#





#19

n-Nitroso-di-n-propylamine

Concen: 19.068 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF117160.D

Acq: 18 Sep 2019 22:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 65962

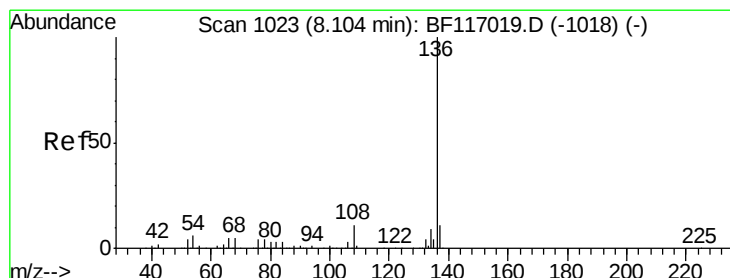
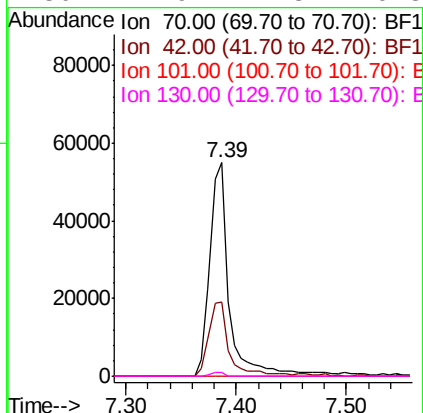
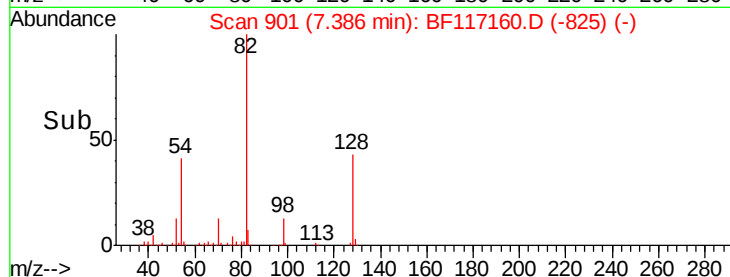
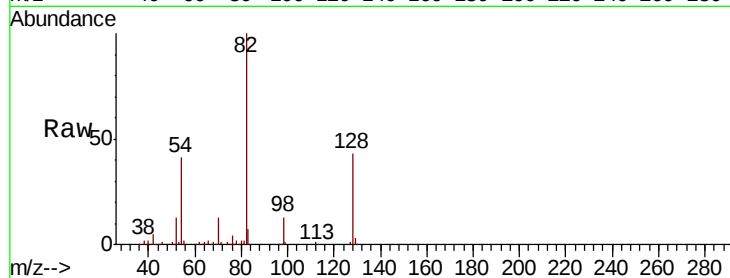
Ion Ratio Lower Upper

70 100

42 34.5 34.0 51.0

101 0.0 7.8 11.6#

130 1.9 17.8 26.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF117160.D

Acq: 18 Sep 2019 22:14

Tgt Ion: 136 Resp: 268785

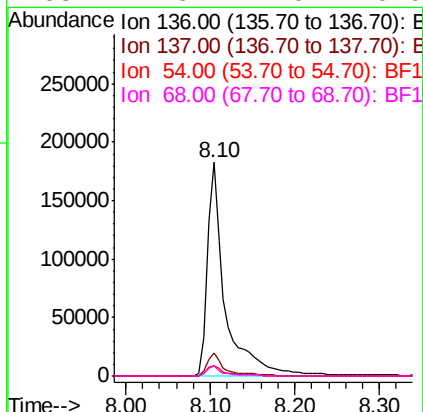
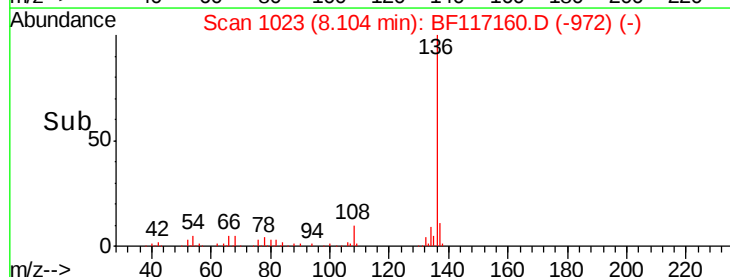
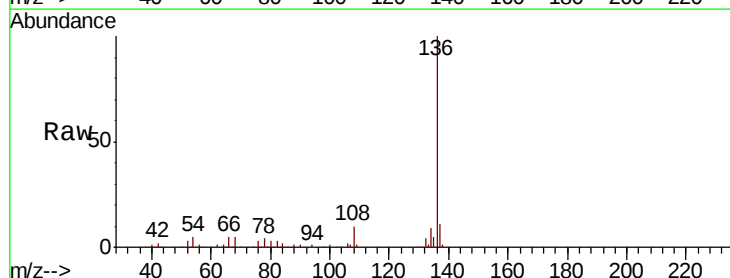
Ion Ratio Lower Upper

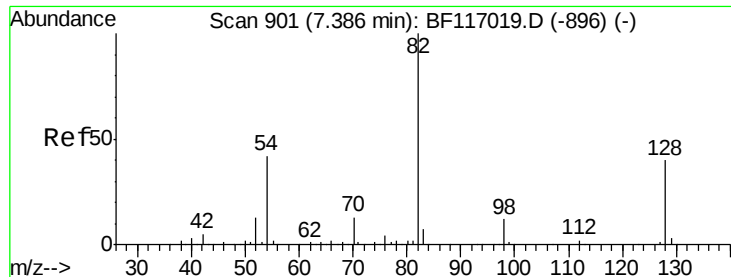
136 100

137 10.5 9.0 13.4

54 5.0 4.5 6.7

68 4.6 4.0 6.0

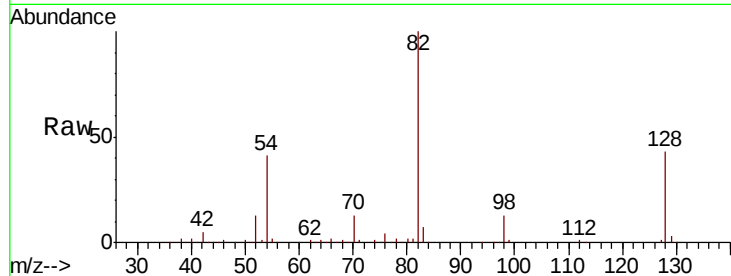




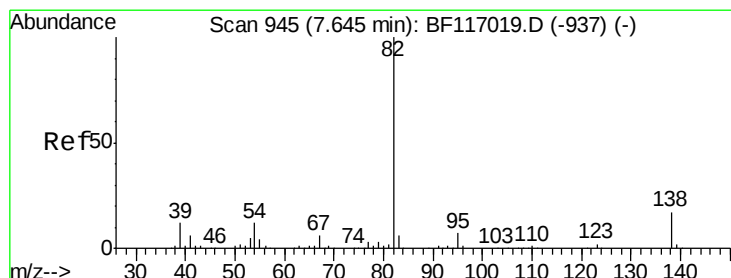
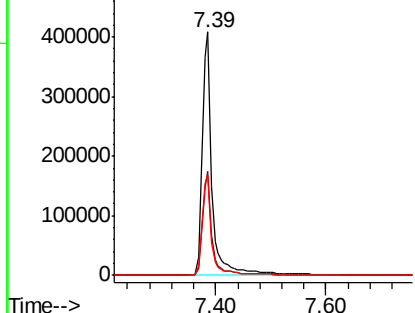
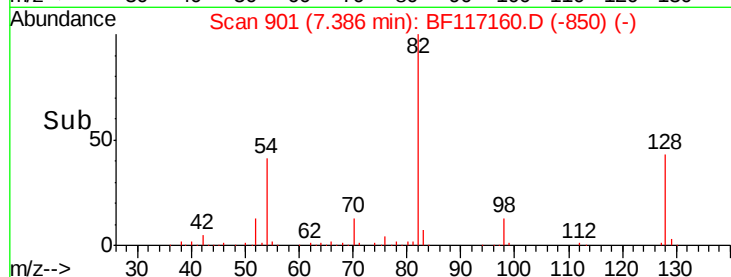
#23
Nitrobenzene-d5
Concen: 98.788 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF117160.D
Acq: 18 Sep 2019 22:14

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	505356
Ion Ratio	100	Lower	Upper
128	42.8	32.3	48.5
54	41.1	33.3	49.9

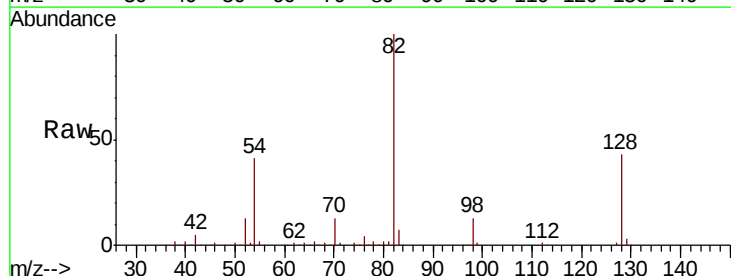


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

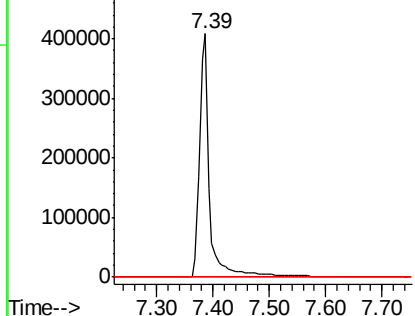
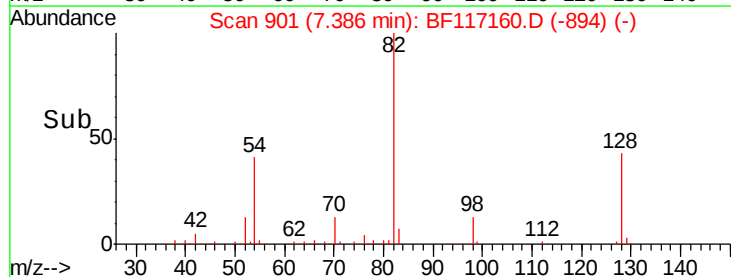


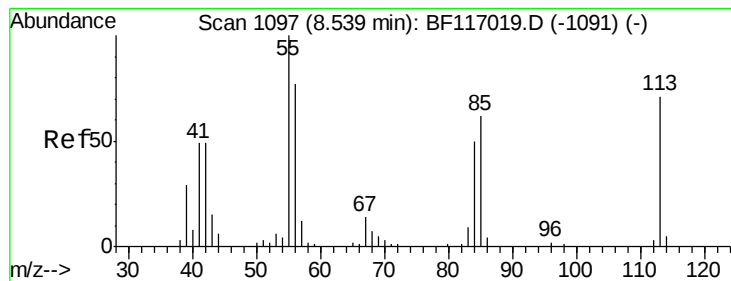
#25
Isophorone
Concen: 55.794 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF117160.D
Acq: 18 Sep 2019 22:14

Tgt Ion	82	Resp	505353
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





#35

Caprolactam

Concen: 3.803 ng

RT: 8.53 min Scan# 1096

Delta R.T. -0.01 min

Lab File: BF117160.D

Acq: 18 Sep 2019 22:14

Instrument :

BNA_F

ClientSampleId :

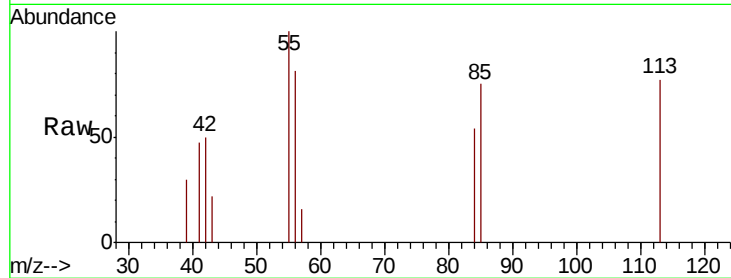
Tot Ion:113 Resp: 4641

Ion Ratio Lower Upper

113 100

55 129.1 120.6 160.6

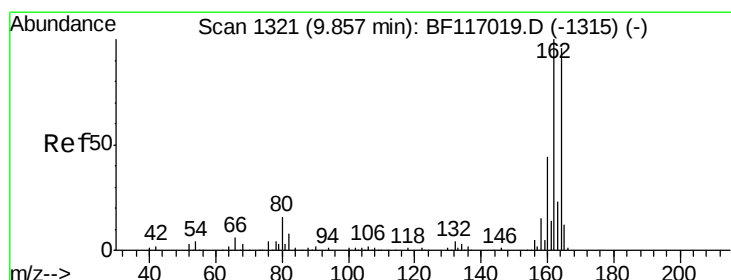
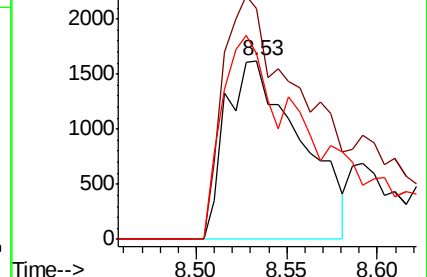
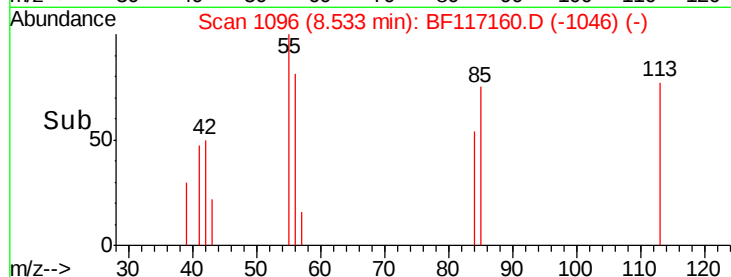
56 104.2 88.8 128.8



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117160.D

Acq: 18 Sep 2019 22:14

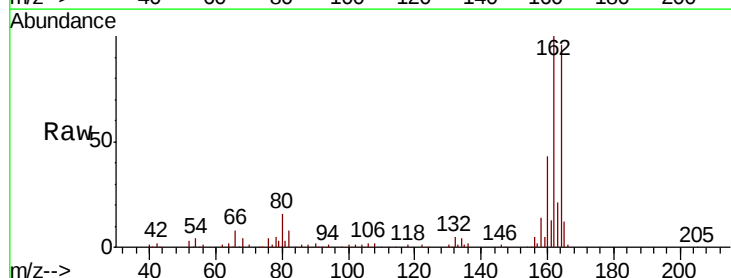
Tgt Ion:164 Resp: 141474

Ion Ratio Lower Upper

164 100

162 103.8 83.4 125.2

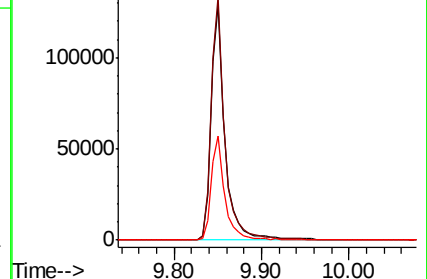
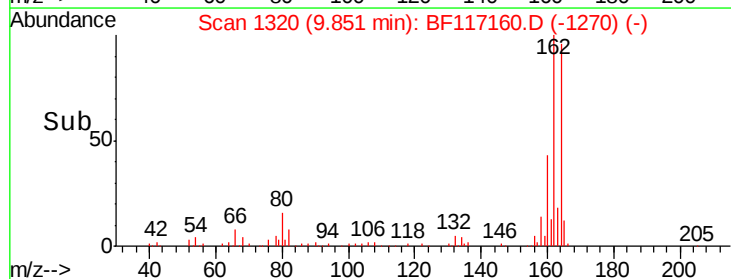
160 44.4 36.4 54.6

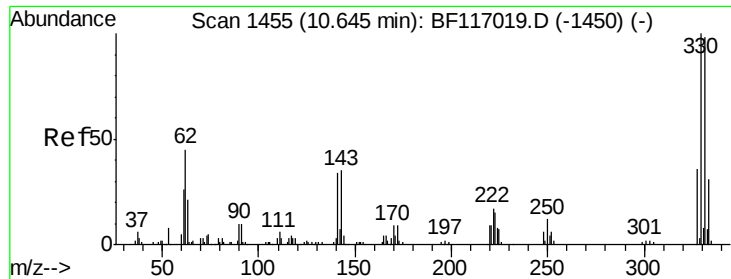


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

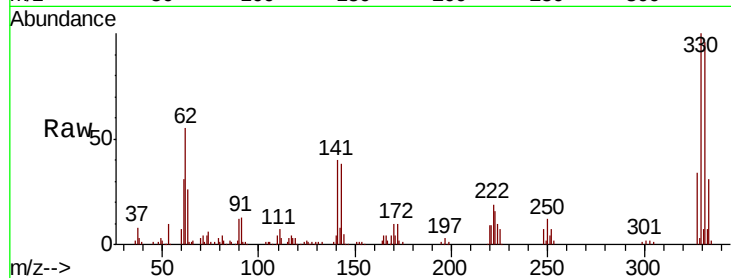




#42
 2,4,6-Tribromophenol
 Concen: 151.136 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117160.D
 Acq: 18 Sep 2019 22:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.0	117.0
141	44.8	35.8	53.6

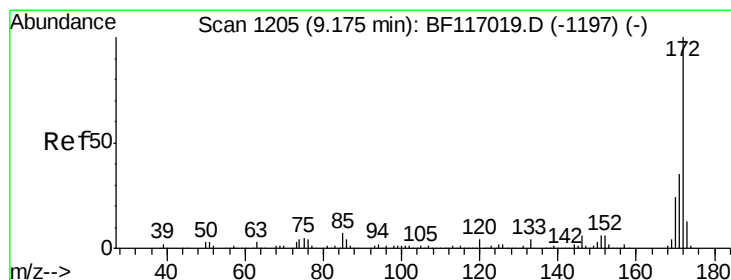
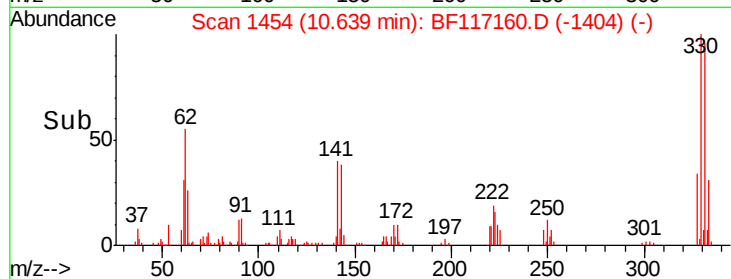
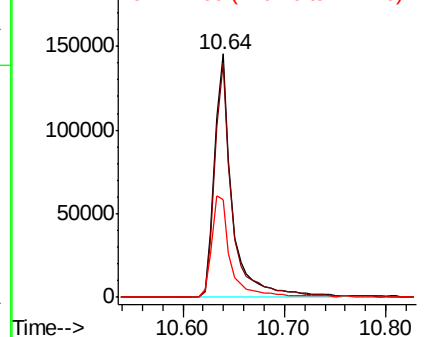


Abundance

Ion 329.80 (329.50 to 330.50): E

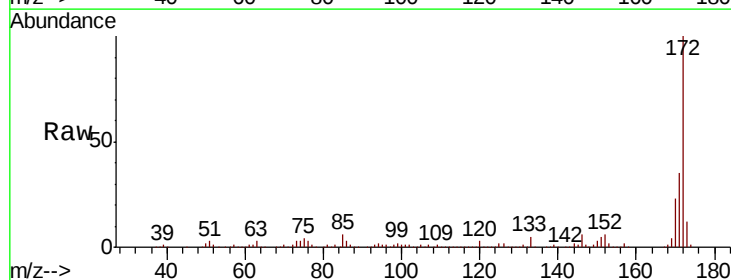
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 96.395 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF117160.D
 Acq: 18 Sep 2019 22:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.2
170	23.2	18.9	28.3

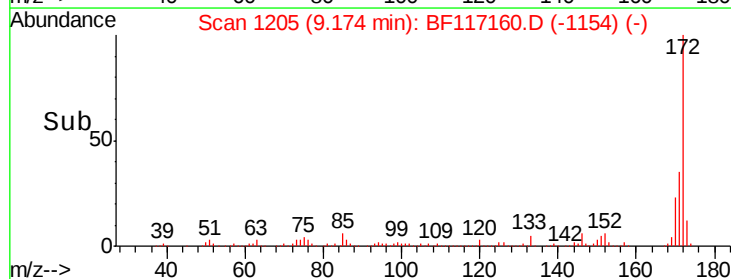
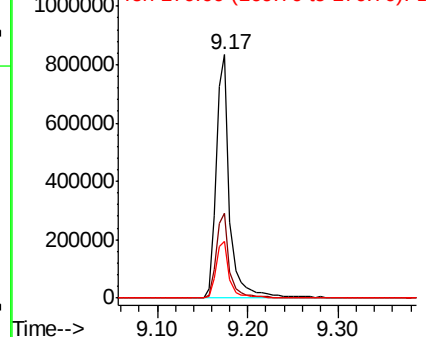


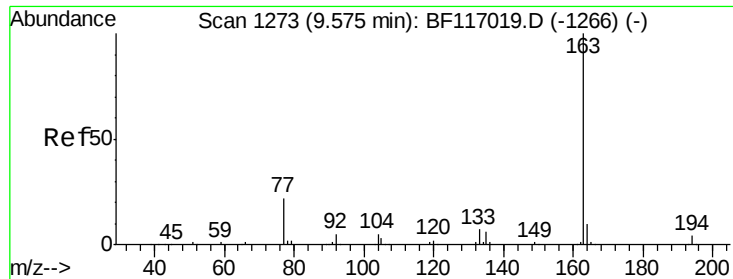
Abundance

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

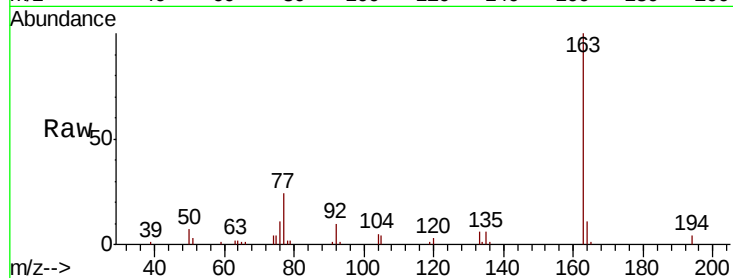




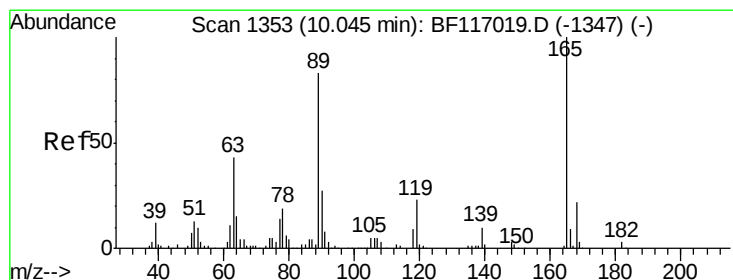
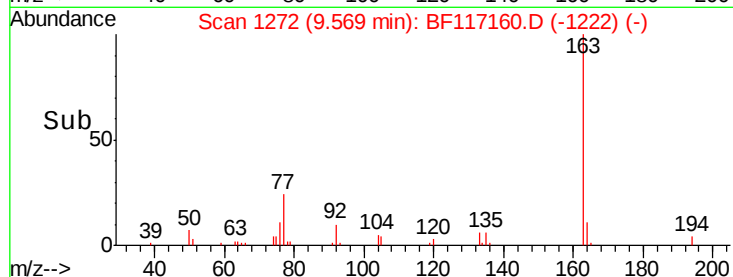
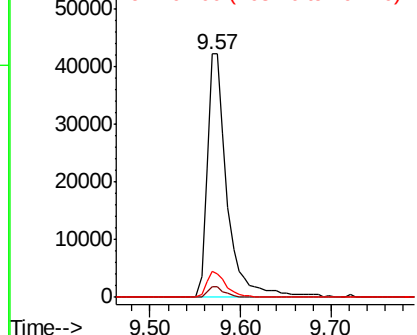
#50
Dimethylphthalate
Concen: 6.505 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117160.D
Acq: 18 Sep 2019 22:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 65162
Ion Ratio Lower Upper
163 100
194 4.5 2.9 4.3#
164 10.9 8.2 12.4

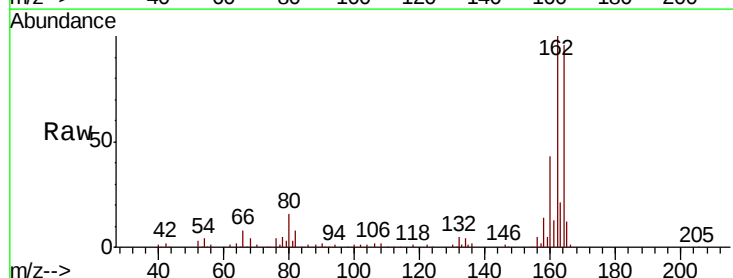


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

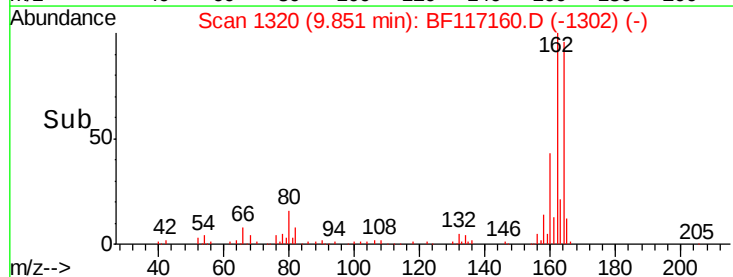
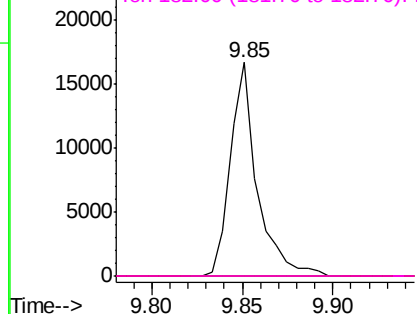


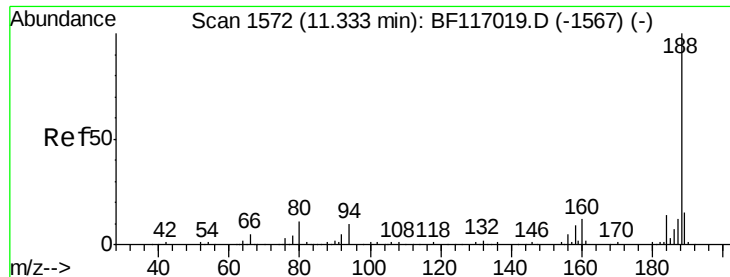
#57
2,4-Dinitrotoluene
Concen: 6.476 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF117160.D
Acq: 18 Sep 2019 22:14

Tgt Ion:165 Resp: 17150
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

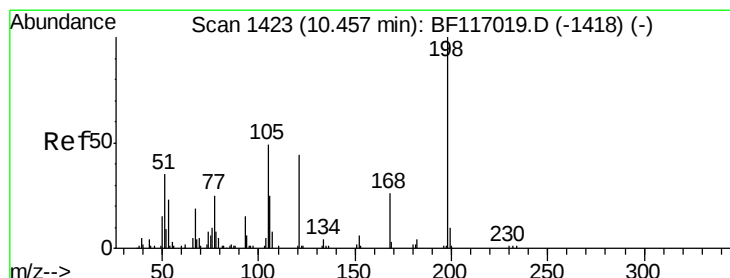
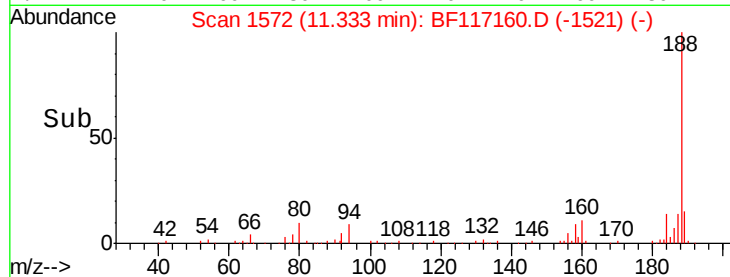
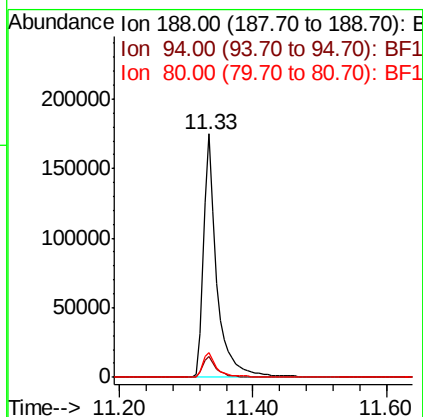
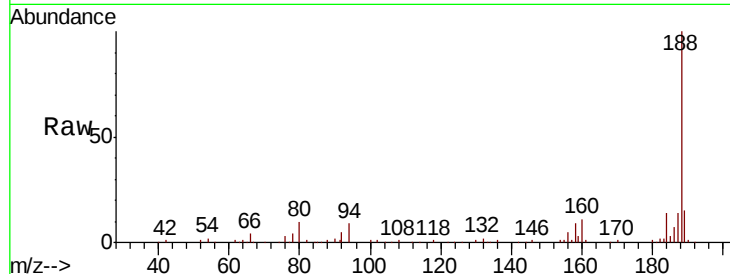




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF117160.D
 Acq: 18 Sep 2019 22:14

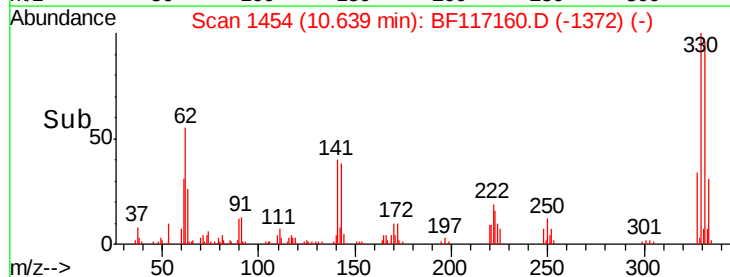
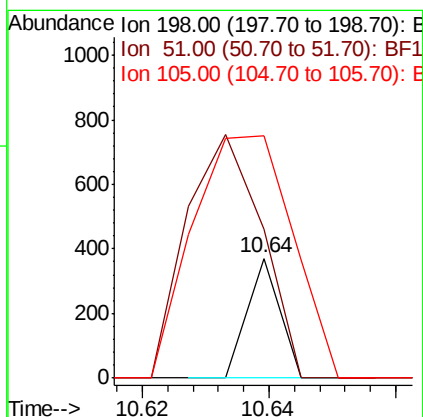
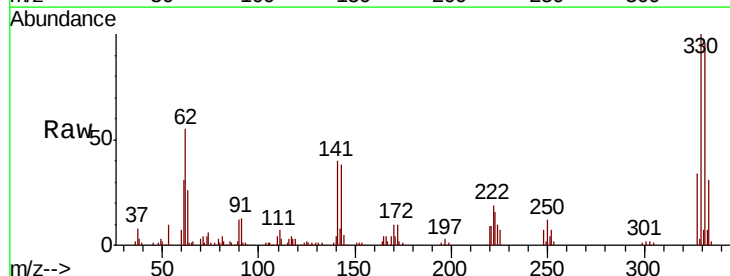
Instrument :
 BNA_F
 ClientSampleId :

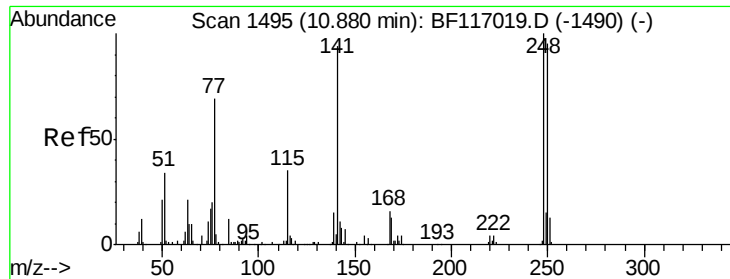
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.2	12.2
80	10.2	9.0	13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.005 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF117160.D
 Acq: 18 Sep 2019 22:14

Tgt Ion	Ratio	Lower	Upper
198	100		
51	125.1	18.7	58.7#
105	202.7	30.2	70.2#

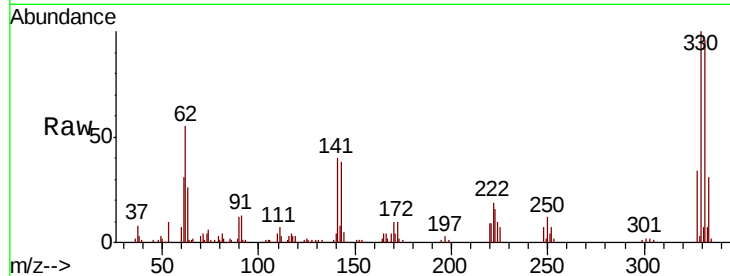




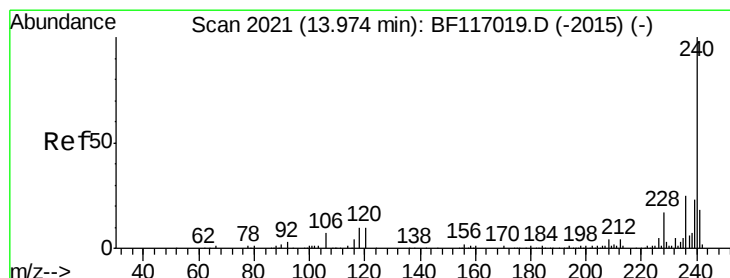
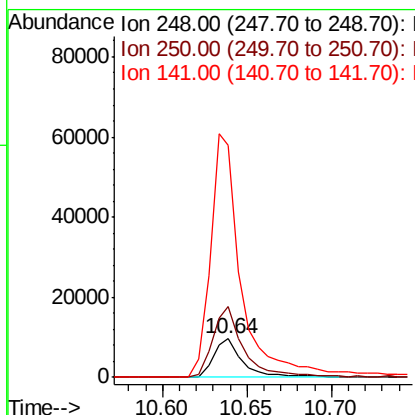
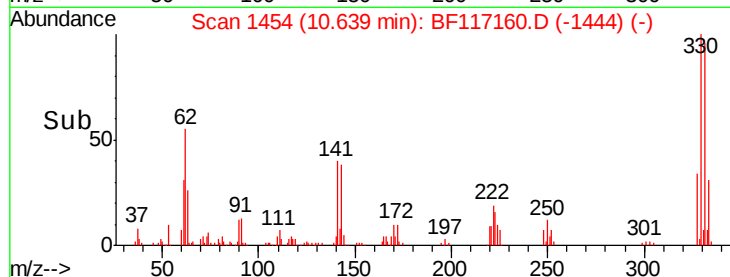
#67
4-Bromophenyl-phenylether
Concen: 4.690 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117160.D
Acq: 18 Sep 2019 22:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11446
Ion Ratio Lower Upper
248 100
250 183.6 76.2 114.4#
141 601.0 75.0 112.4#

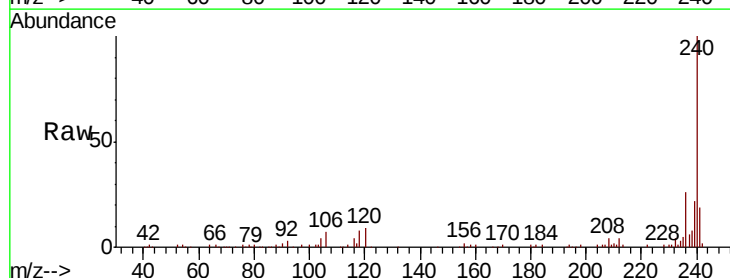


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

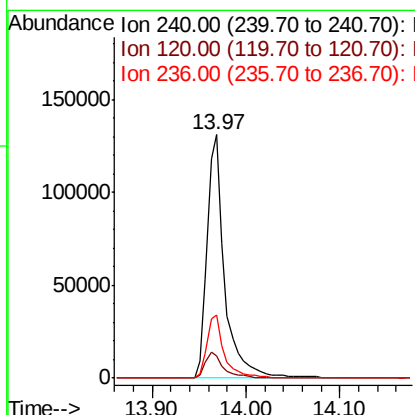
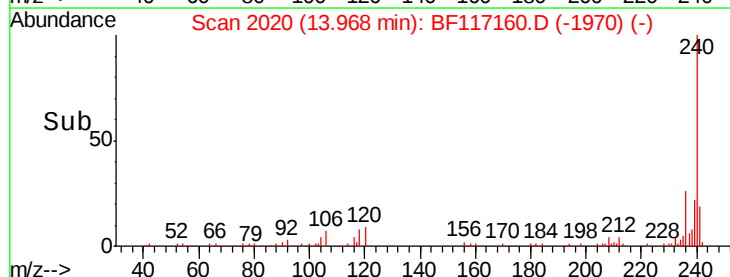


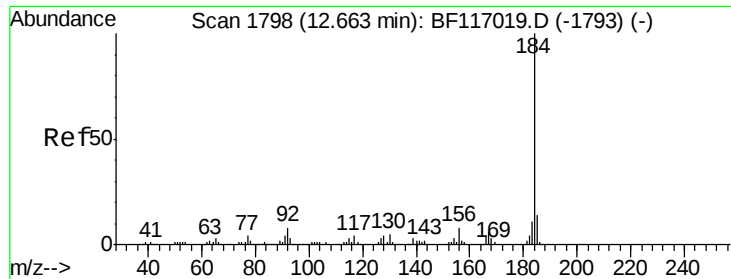
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117160.D
Acq: 18 Sep 2019 22:14

Tgt Ion:240 Resp: 172213
Ion Ratio Lower Upper
240 100
120 9.3 8.3 12.5
236 25.8 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: 2.383 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.25 min

Lab File: BF117160.D

Acq: 18 Sep 2019 22:14

Instrument :

BNA_F

ClientSampleId :

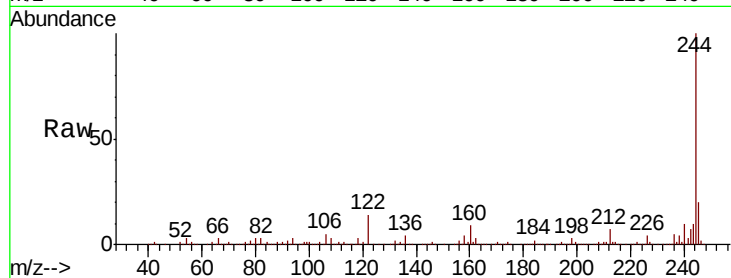
Tot Ion:184 Resp: 13218

Ion Ratio Lower Upper

184 100

185 17.1 11.6 17.4

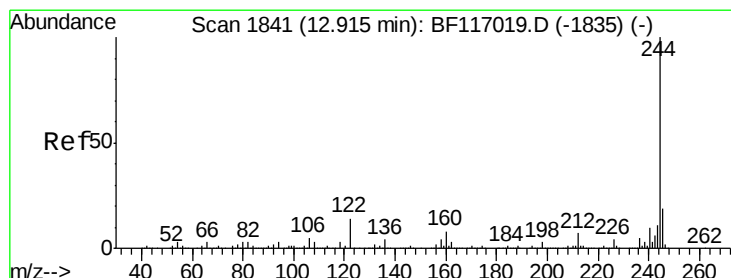
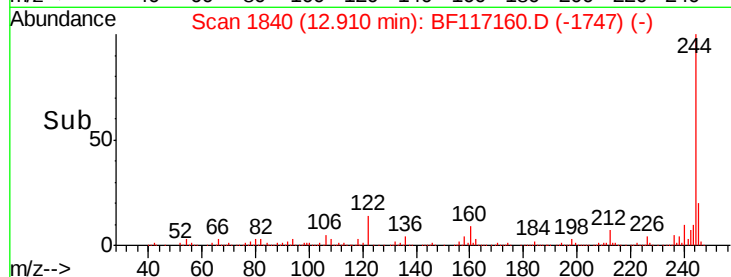
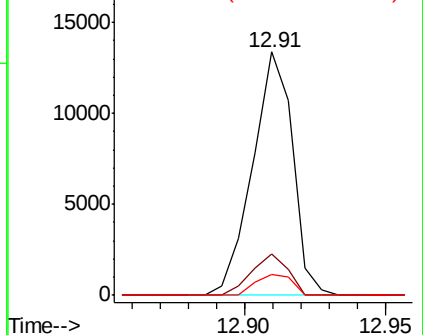
183 8.6 9.0 13.4#



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: 97.385 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117160.D

Acq: 18 Sep 2019 22:14

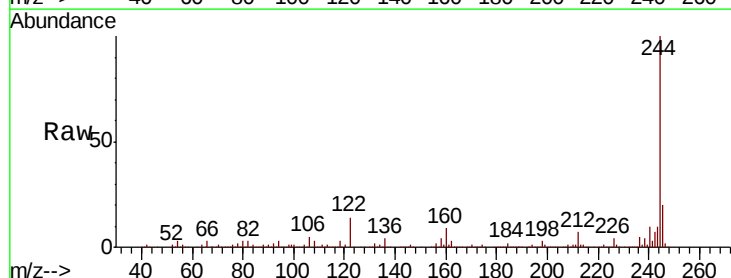
Tgt Ion:244 Resp: 897214

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

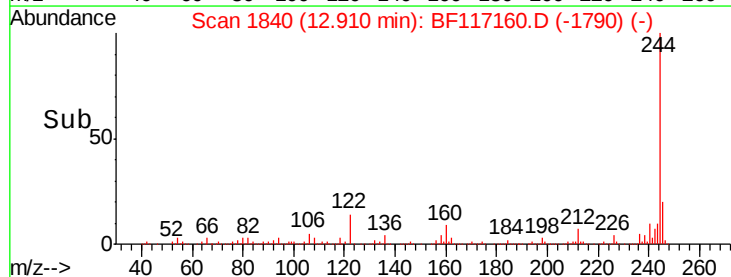
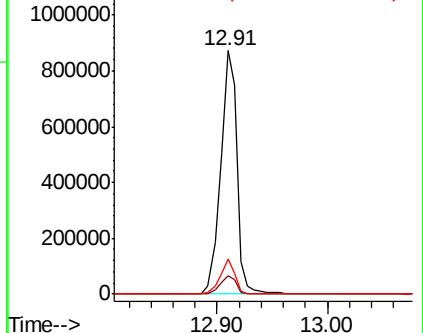
122 14.2 11.3 16.9

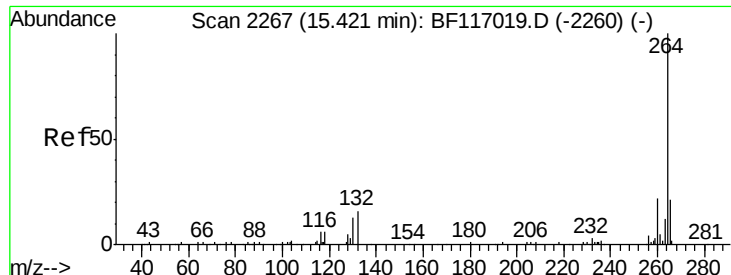


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2266
 Delta R.T. -0.01 min
 Lab File: BF117160.D
 Acq: 18 Sep 2019 22:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.6	26.4
265	21.1	16.6	24.8

