

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117107.D
 Acq On : 17 Sep 2019 15:30
 Operator : HP/JU
 Sample : K4883-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 18 03:50:17 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	71409	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	275928	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	143441	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	232591	20.00	ng	0.00
76) Chrysene-d12	13.97	240	155182	20.00	ng	0.00
87) Perylene-d12	15.42	264	133132	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	260602	56.98	ng	0.00
7) Phenol-d6	6.46	99	205899	34.83	ng	0.00
23) Nitrobenzene-d5	7.39	82	492450	93.77	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	177820	148.33	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	894910	97.55	ng	0.00
79) Terphenyl-d14	12.92	244	775371	93.40	ng	0.00

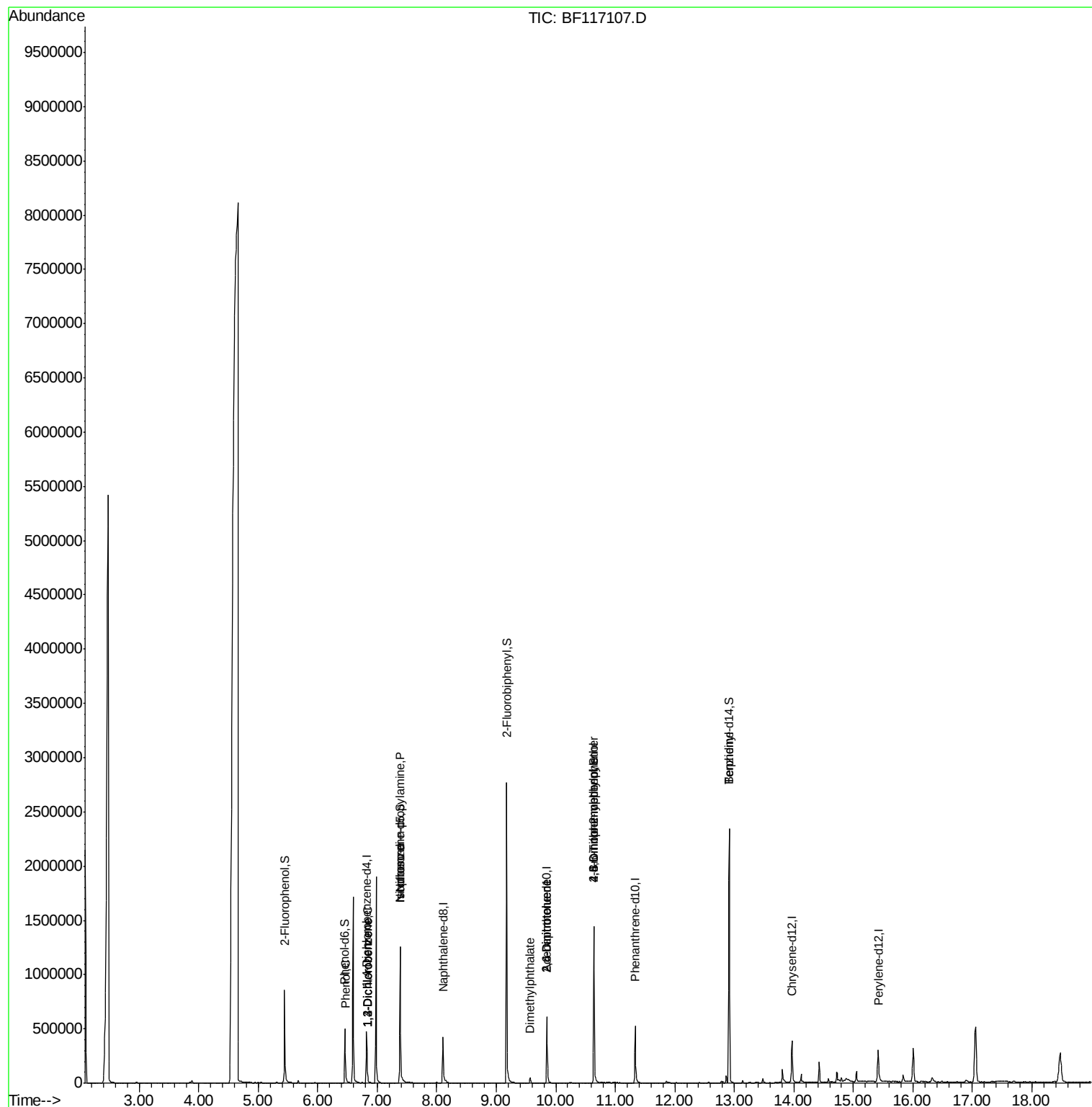
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.59	77	12625	Below Cal		# 71
10) Phenol	6.47	94	15478	2.375	ng	94
12) 1,3-Dichlorobenzene	6.84	146	14225	2.569	ng	96
13) 1,4-Dichlorobenzene	6.84	146	14225	2.517	ng	95
14) 1,2-Dichlorobenzene	6.84	146	14225	2.704	ng	97
19) n-Nitroso-di-n-propylamine	7.39	70	65957	18.324	ng	# 78
25) Isophorone	7.39	82	492447	52.961	ng	# 66
50) Dimethylphthalate	9.57	163	26034	2.563	ng	97
51) 2,6-Dinitrotoluene	9.85	165	17927	8.667	ng	# 25
57) 2,4-Dinitrotoluene	9.85	165	17927	6.677	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.64	198	352	7.187	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	11151	4.695	ng	# 1
77) Benzidine	12.92	184	11110	2.223	ng	96

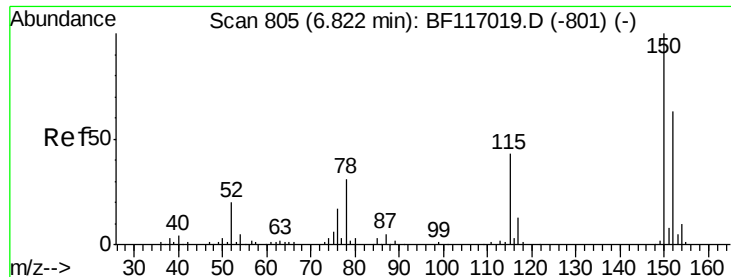
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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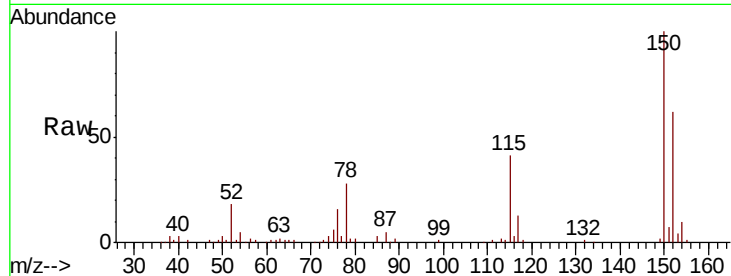


#1

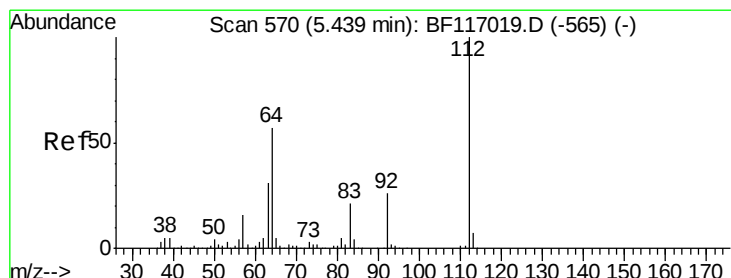
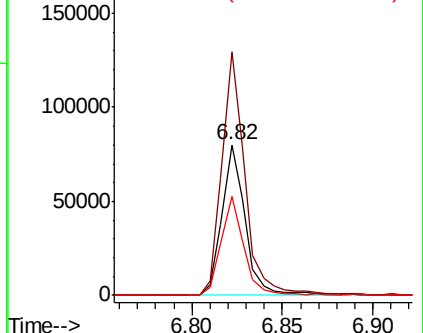
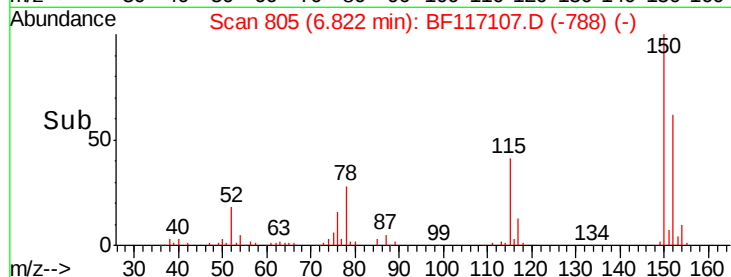
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117107.D
Acq: 17 Sep 2019 15:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 71409
Ion Ratio Lower Upper
152 100
150 162.0 127.5 191.3
115 66.1 55.0 82.4



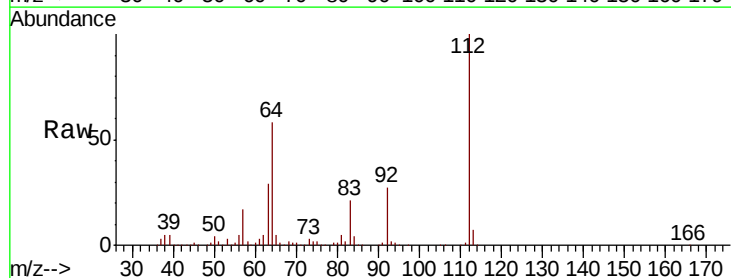
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



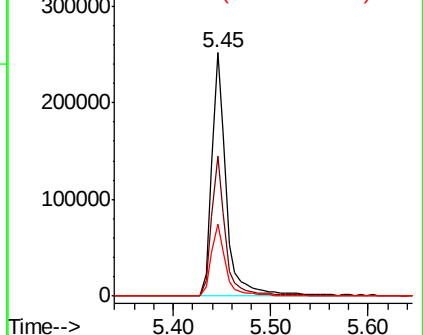
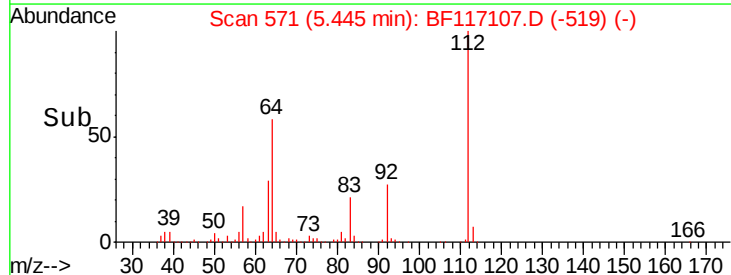
#5

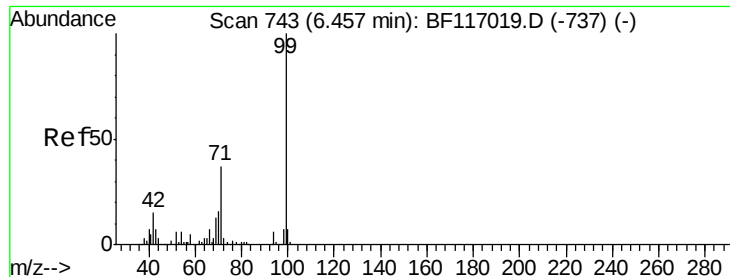
2-Fluorophenol
Concen: 56.977 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117107.D
Acq: 17 Sep 2019 15:30

Tgt Ion:112 Resp: 260602
Ion Ratio Lower Upper
112 100
64 57.5 45.7 68.5
63 29.4 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: 34.833 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117107.D

Acq: 17 Sep 2019 15:30

Instrument :

BNA_F

ClientSampleId :

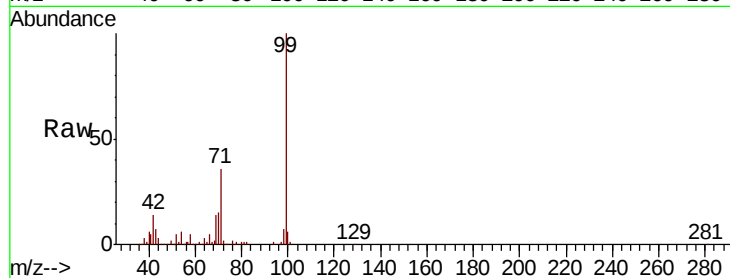
Tot Ion: 99 Resp: 205899

Ion Ratio Lower Upper

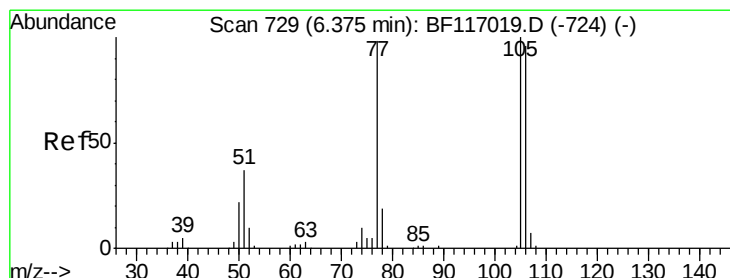
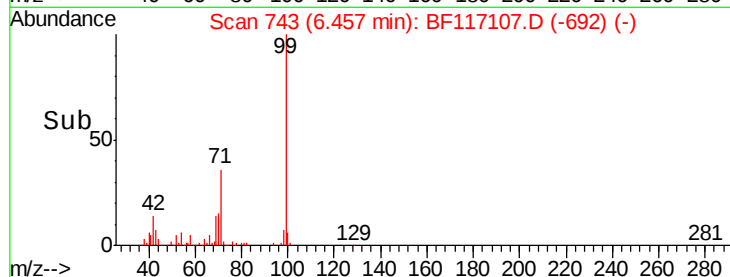
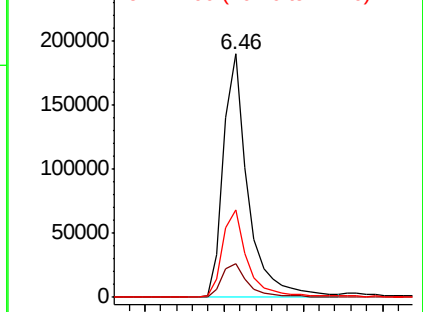
99 100

42 14.0 12.2 18.2

71 36.0 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: 6.59 min Scan# 766

Delta R.T. 0.22 min

Lab File: BF117107.D

Acq: 17 Sep 2019 15:30

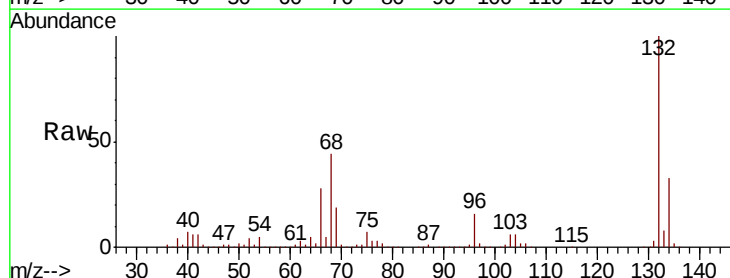
Tgt Ion: 77 Resp: 12625

Ion Ratio Lower Upper

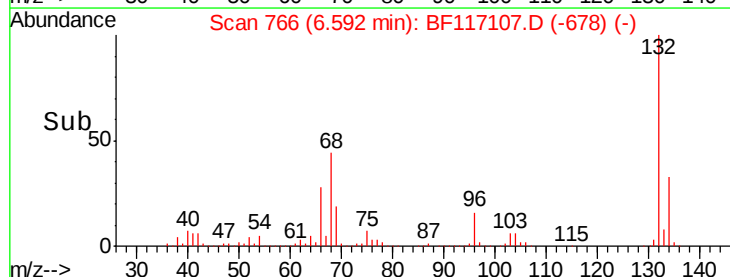
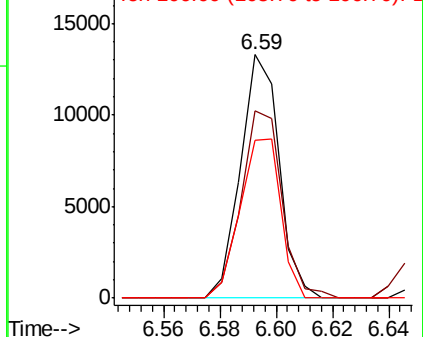
77 100

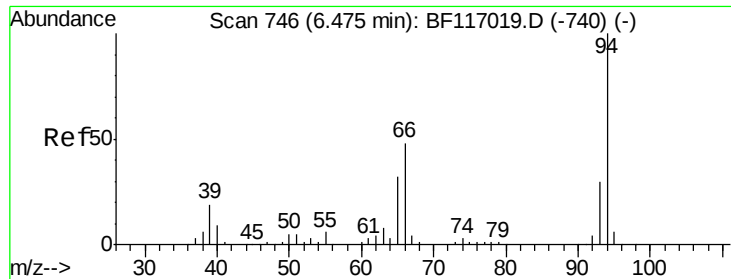
105 76.8 81.8 121.8#

106 64.6 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

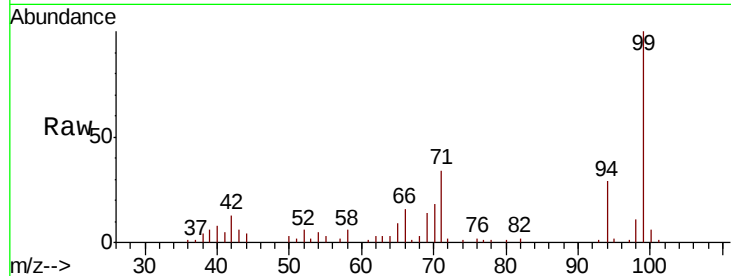




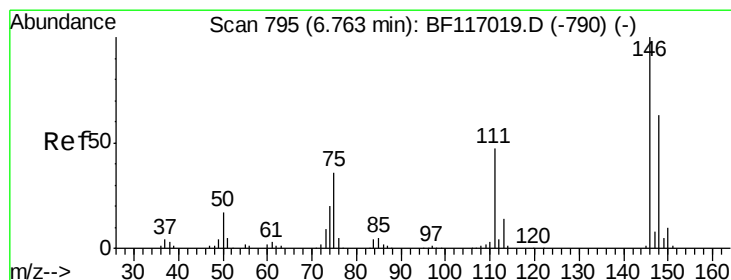
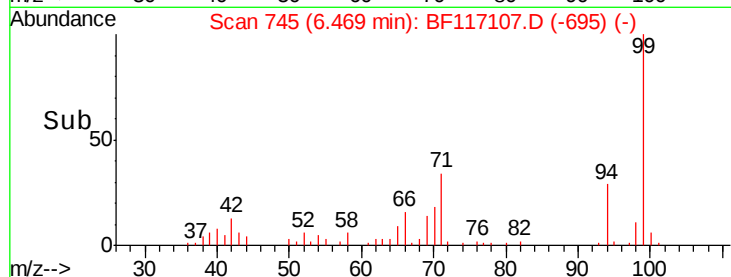
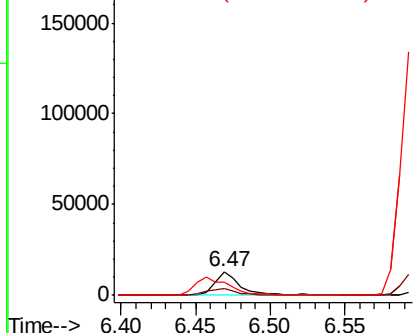
#10
Phenol
Concen: 2.375 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF117107.D
Acq: 17 Sep 2019 15:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 94 Resp: 15478
Ion Ratio Lower Upper
94 100
65 31.2 12.5 52.5
66 54.3 28.9 68.9

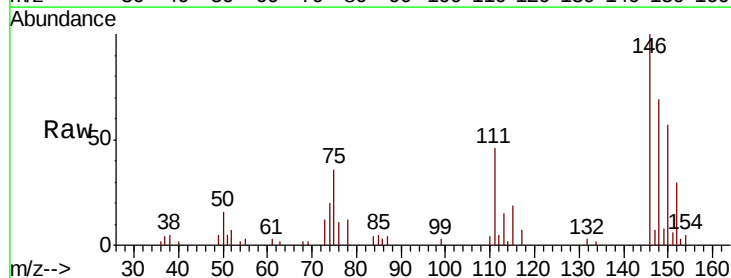


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

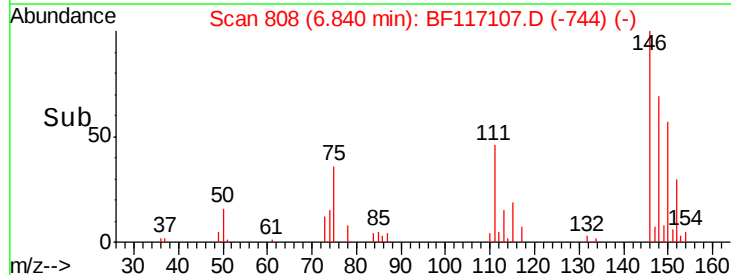
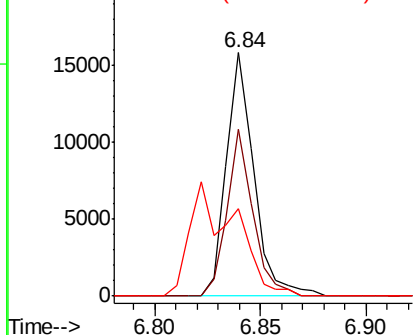


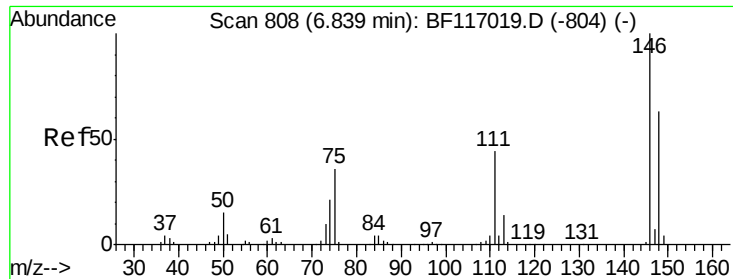
#12
1,3-Dichlorobenzene
Concen: 2.569 ng
RT: 6.84 min Scan# 808
Delta R.T. 0.08 min
Lab File: BF117107.D
Acq: 17 Sep 2019 15:30

Tgt Ion: 146 Resp: 14225
Ion Ratio Lower Upper
146 100
148 68.7 50.8 76.2
75 36.2 28.7 43.1



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1

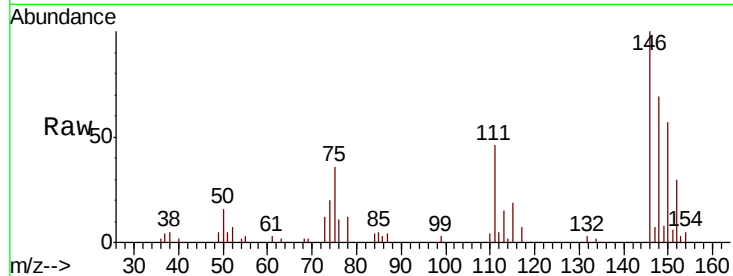




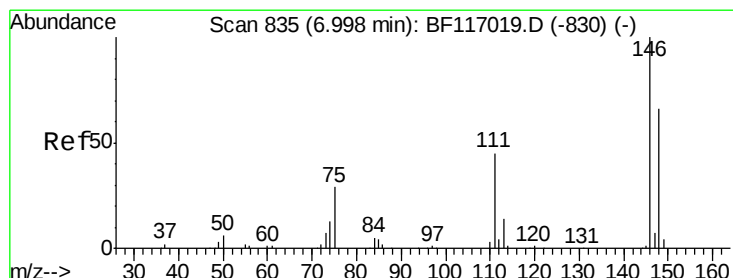
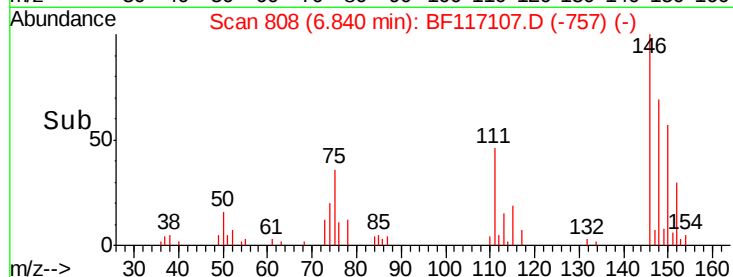
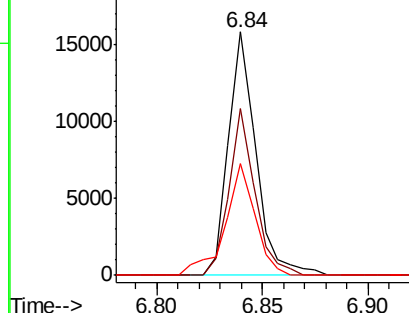
#13
 1,4-Dichlorobenzene
 Concen: 2.517 ng
 RT: 6.84 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF117107.D
 Acq: 17 Sep 2019 15:30

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:146 Resp: 14225
 Ion Ratio Lower Upper
 146 100
 148 68.7 50.6 76.0
 111 45.8 35.0 52.6

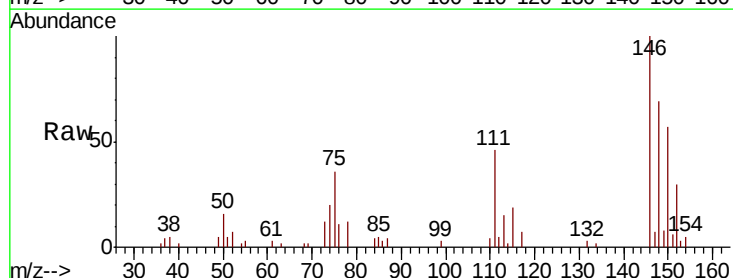


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

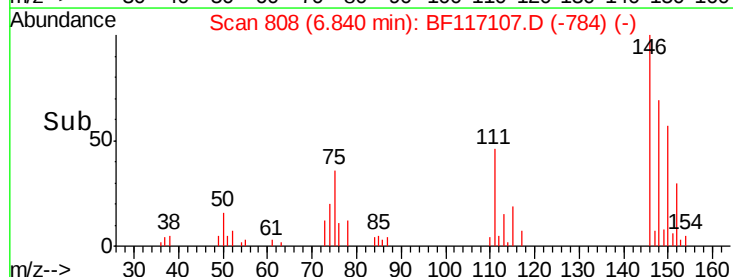
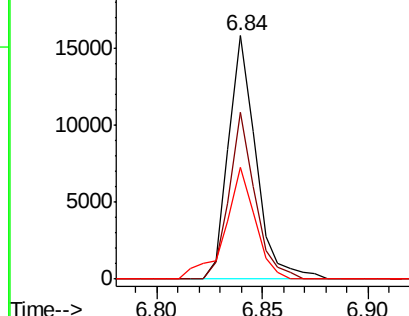


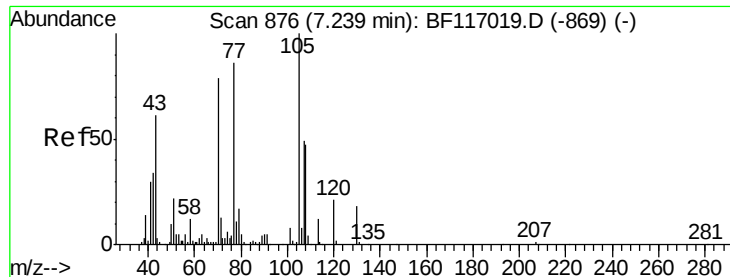
#14
 1,2-Dichlorobenzene
 Concen: 2.704 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.16 min
 Lab File: BF117107.D
 Acq: 17 Sep 2019 15:30

Tgt Ion:146 Resp: 14225
 Ion Ratio Lower Upper
 146 100
 148 68.7 52.6 78.8
 111 45.8 36.2 54.2



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

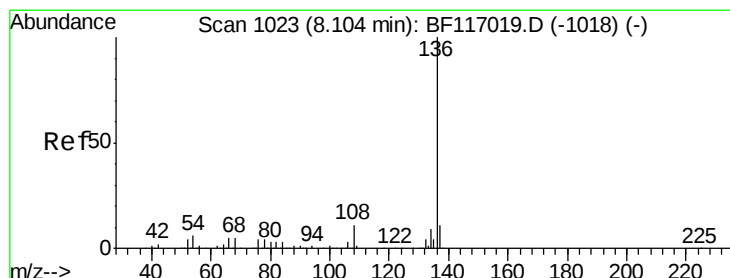
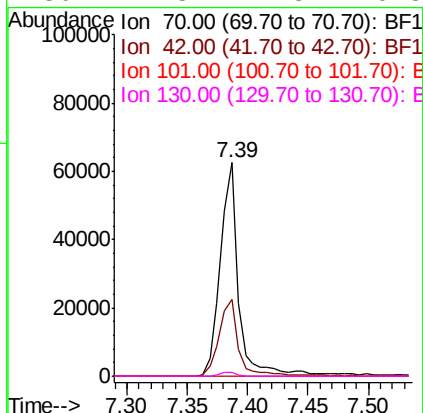
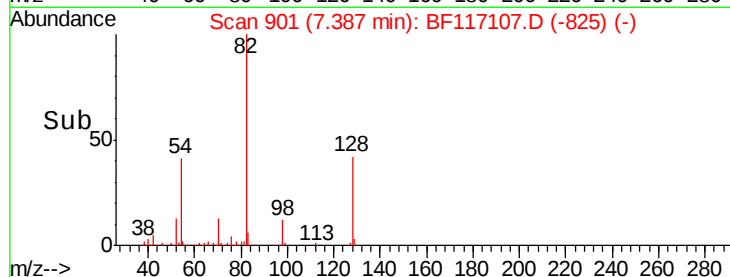
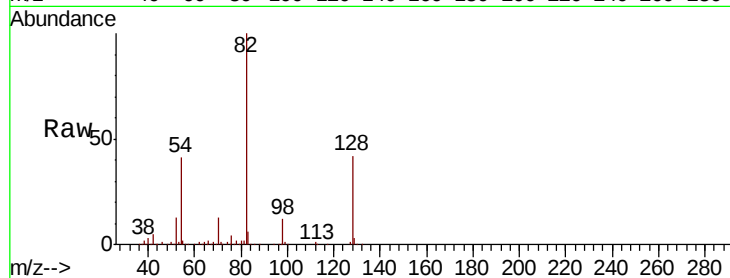




#19
n-Nitroso-di-n-propylamine
Concen: 18.324 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117107.D
Acq: 17 Sep 2019 15:30

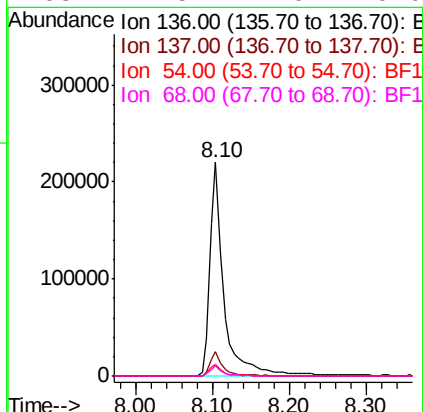
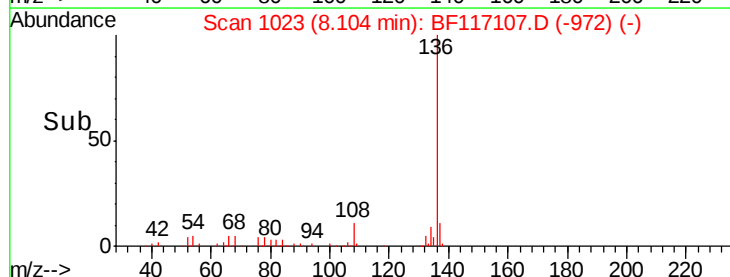
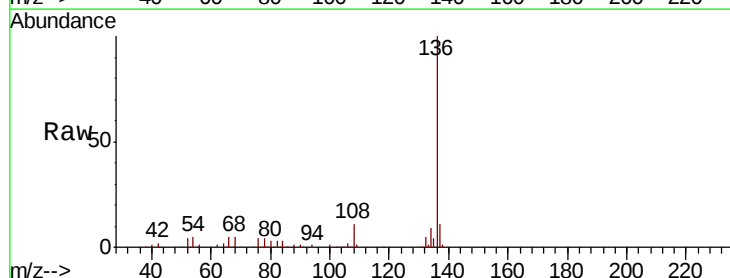
Instrument :
BNA_F
ClientSampleId :

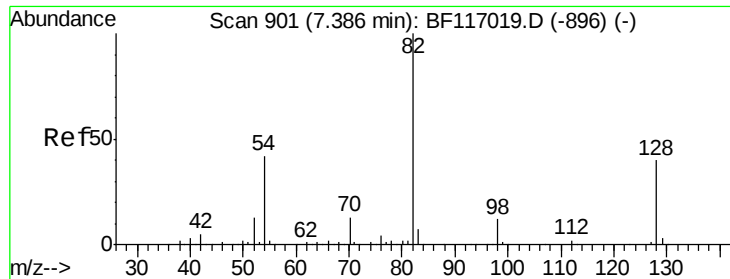
Tot Ion:	70	Resp:	65957
Ion	Ratio	Lower	Upper
70	100		
42	36.0	34.0	51.0
101	0.0	7.8	11.6#
130	1.8	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117107.D
Acq: 17 Sep 2019 15:30

Tgt Ion:	136	Resp:	275928
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	5.5	4.5	6.7
68	4.5	4.0	6.0

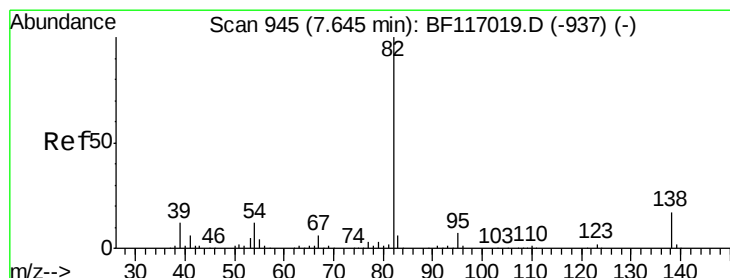
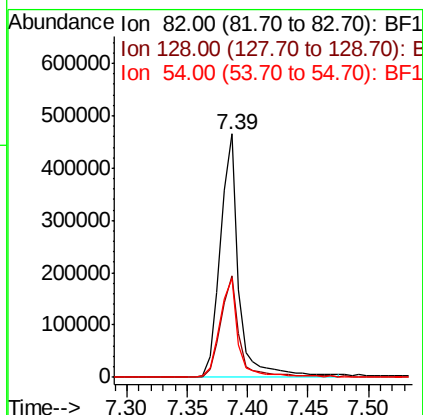
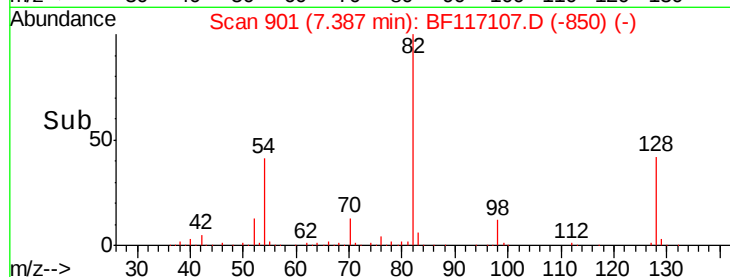
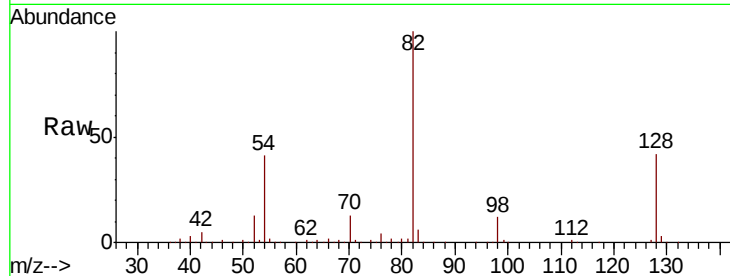




#23
 Nitrobenzene-d5
 Concen: 93.773 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117107.D
 Acq: 17 Sep 2019 15:30

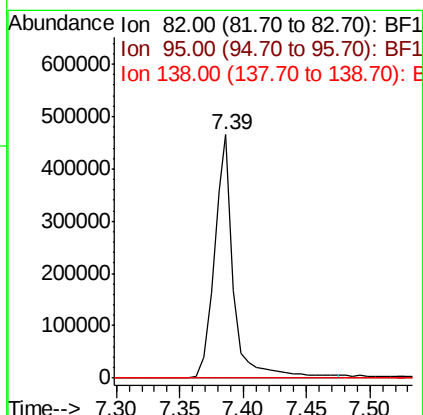
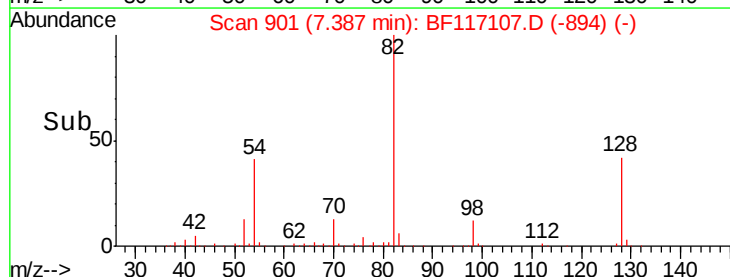
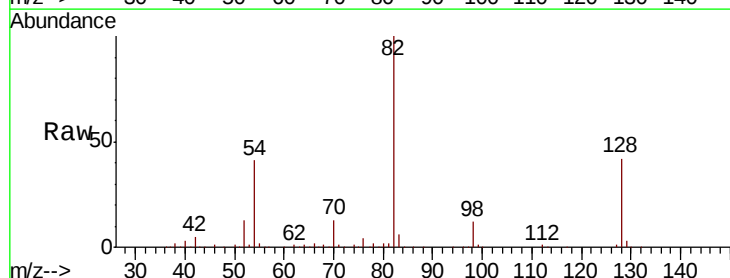
Instrument :
 BNA_F
 ClientSampleId :

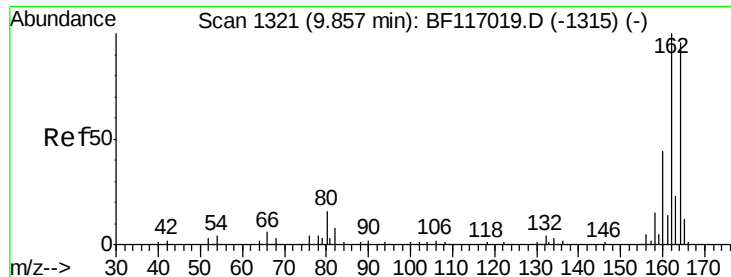
Tot Ion	82	Resp	492450
Ion Ratio	Lower	Upper	
82	100		
128	41.8	32.3	48.5
54	40.7	33.3	49.9



#25
 Isophorone
 Concen: 52.961 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.26 min
 Lab File: BF117107.D
 Acq: 17 Sep 2019 15:30

Tgt Ion	82	Resp	492447
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117107.D

Acq: 17 Sep 2019 15:30

Instrument :

BNA_F

ClientSampleId :

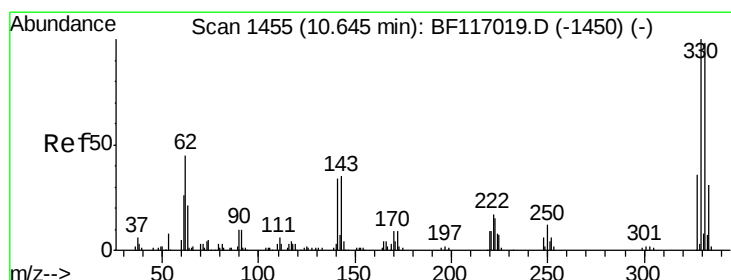
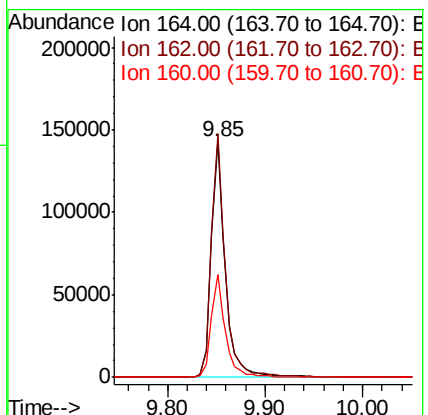
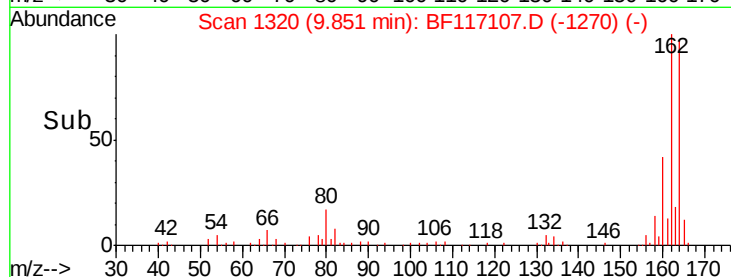
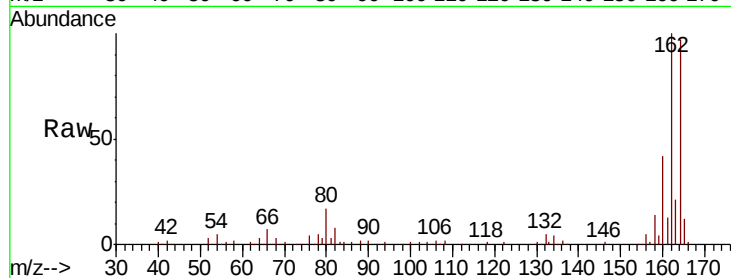
Tot Ion:164 Resp: 143441

Ion Ratio Lower Upper

164 100

162 103.4 83.4 125.2

160 43.8 36.4 54.6



#42

2,4,6-Tribromophenol

Concen: 148.327 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117107.D

Acq: 17 Sep 2019 15:30

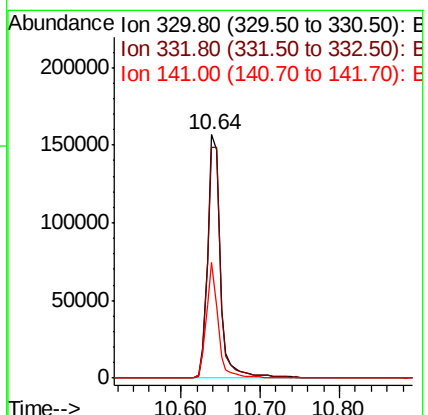
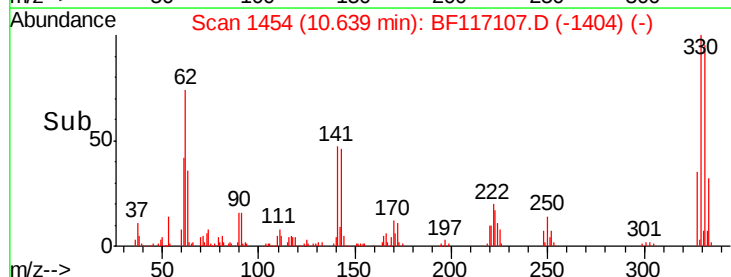
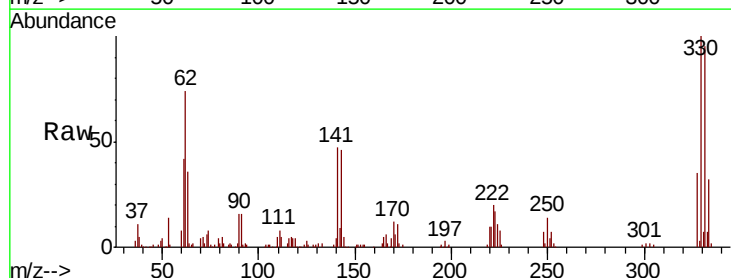
Tgt Ion:330 Resp: 177820

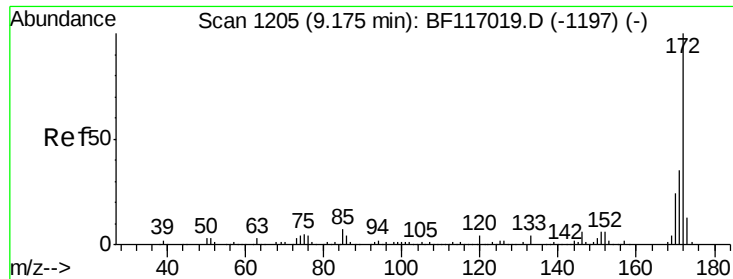
Ion Ratio Lower Upper

330 100

332 96.5 78.0 117.0

141 44.1 35.8 53.6

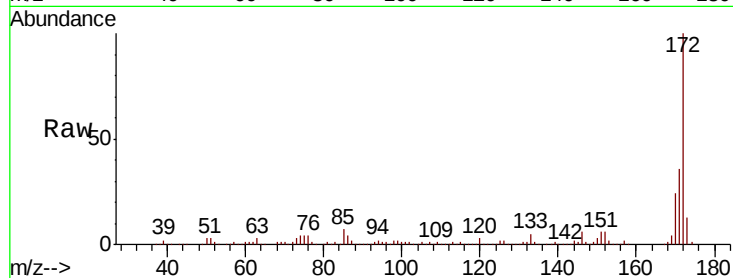




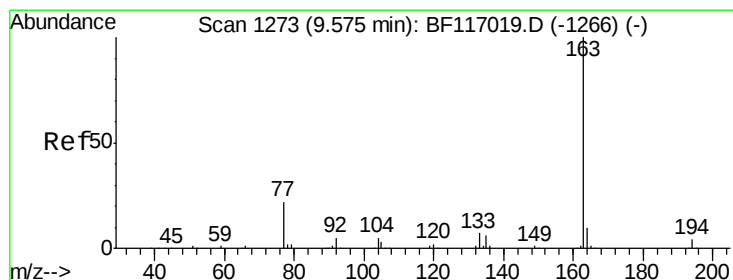
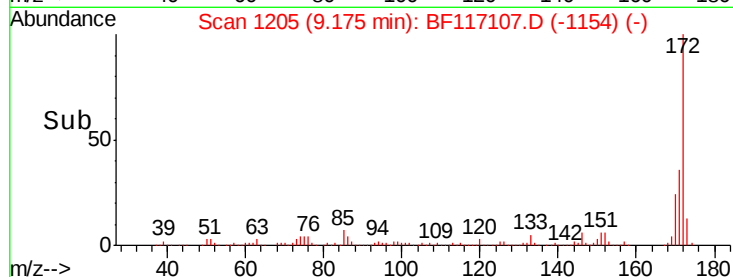
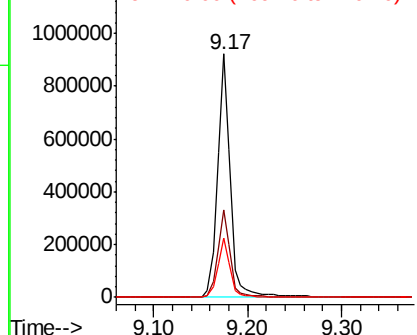
#45
2-Fluorobiphenyl
Concen: 97.549 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117107.D
Acq: 17 Sep 2019 15:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 894910
Ion Ratio Lower Upper
172 100
171 35.9 28.2 42.2
170 24.2 18.9 28.3

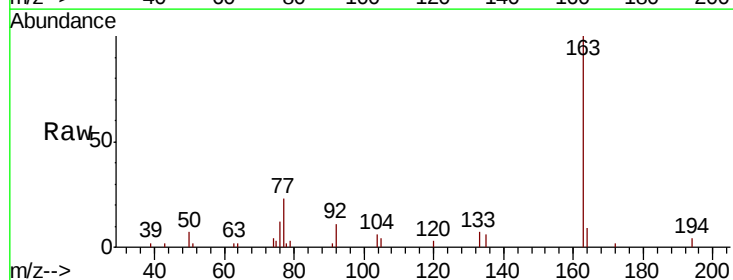


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

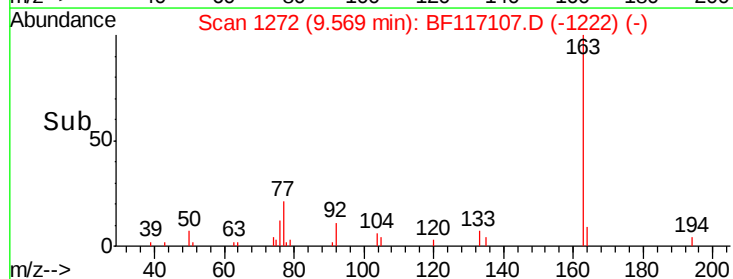
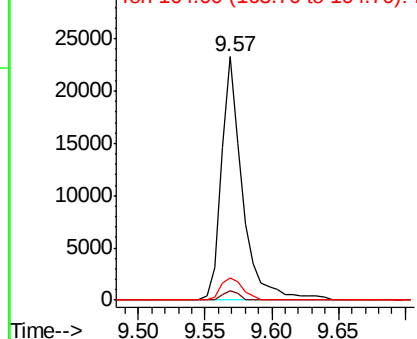


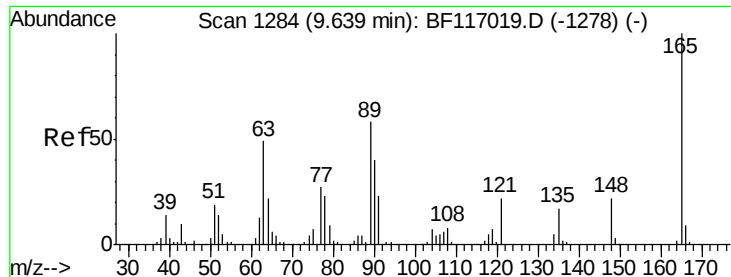
#50
Dimethylphthalate
Concen: 2.563 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117107.D
Acq: 17 Sep 2019 15:30

Tgt Ion:163 Resp: 26034
Ion Ratio Lower Upper
163 100
194 3.9 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

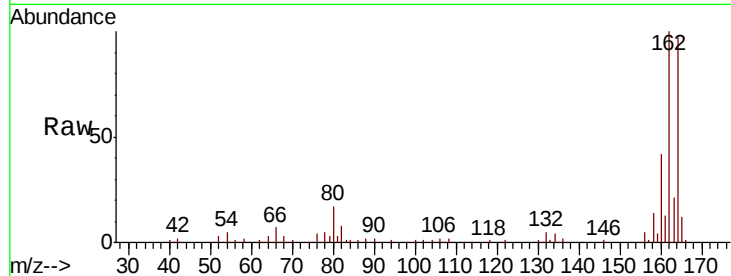




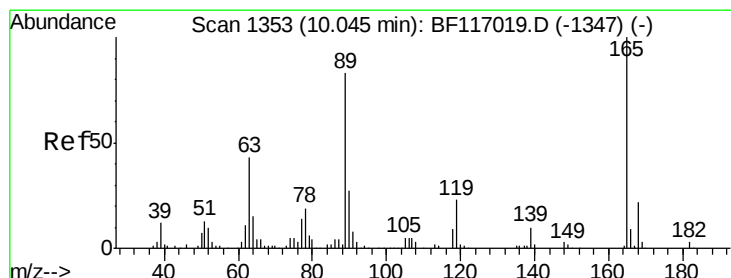
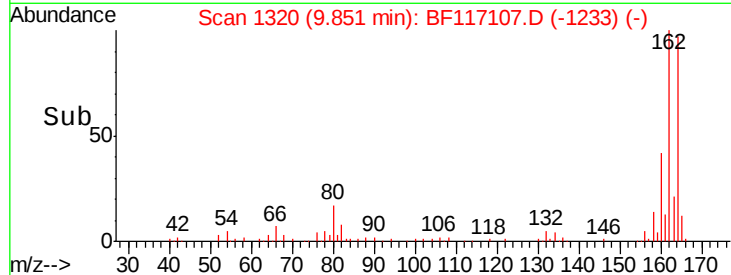
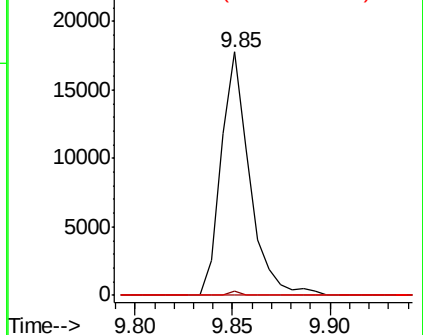
#51
 2,6-Dinitrotoluene
 Concen: 8.667 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117107.D
 Acq: 17 Sep 2019 15:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	41.8	62.8#
89	0.0	46.5	69.7#



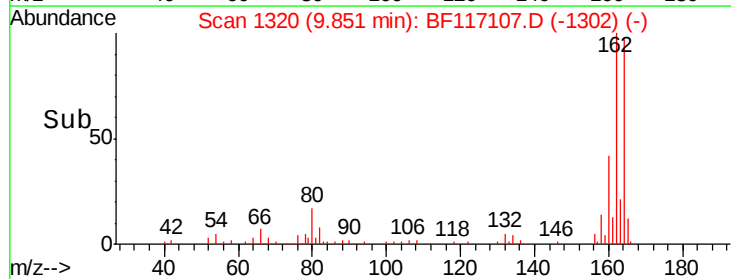
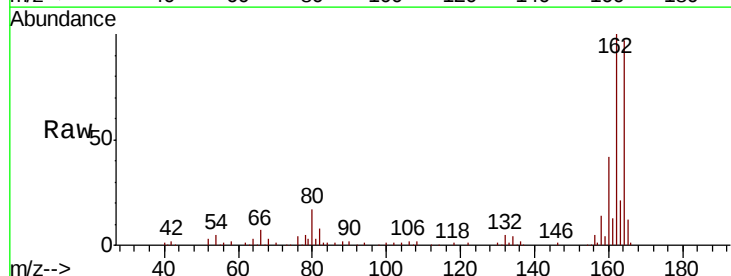
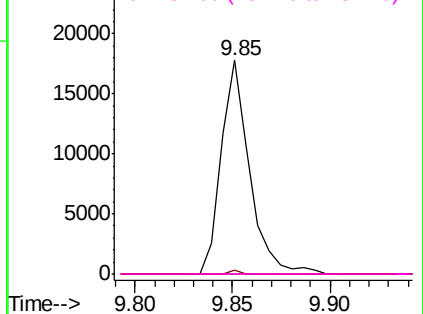
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

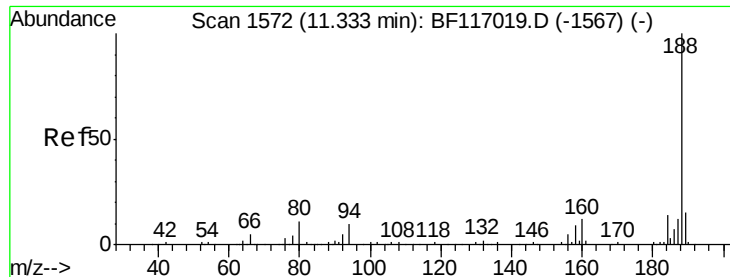


#57
 2,4-Dinitrotoluene
 Concen: 6.677 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117107.D
 Acq: 17 Sep 2019 15:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	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: BF117107.D

Acq: 17 Sep 2019 15:30

Instrument :

BNA_F

ClientSampleId :

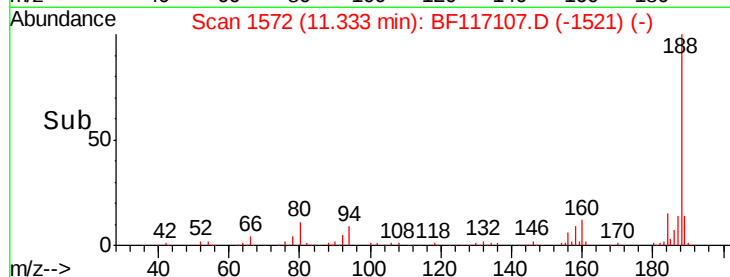
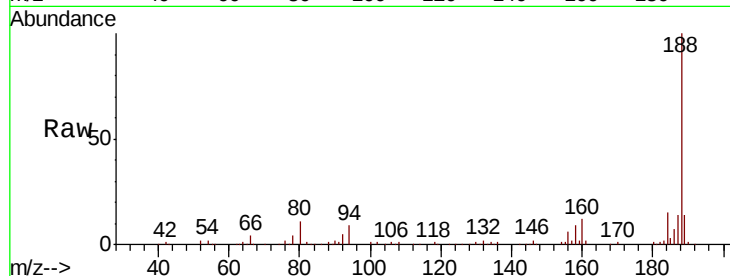
Tot Ion:188 Resp: 232591

Ion Ratio Lower Upper

188 100

94 9.0 8.2 12.2

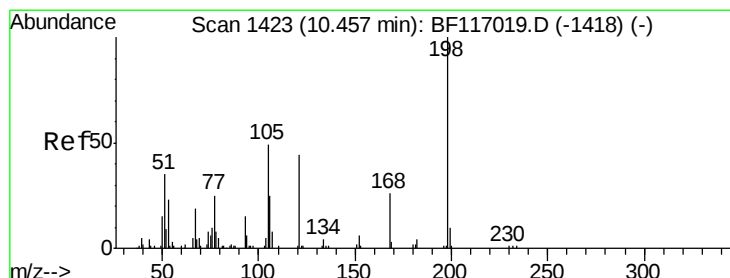
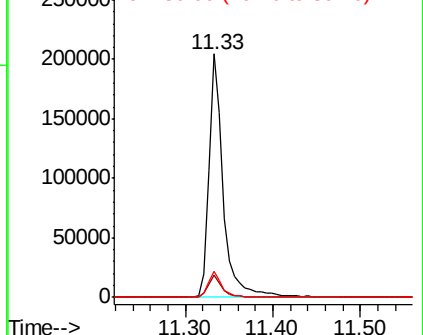
80 10.5 9.0 13.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.187 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF117107.D

Acq: 17 Sep 2019 15:30

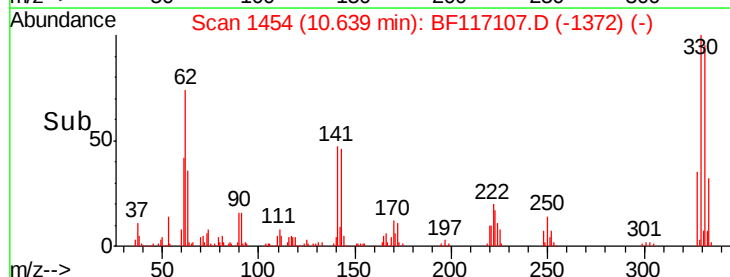
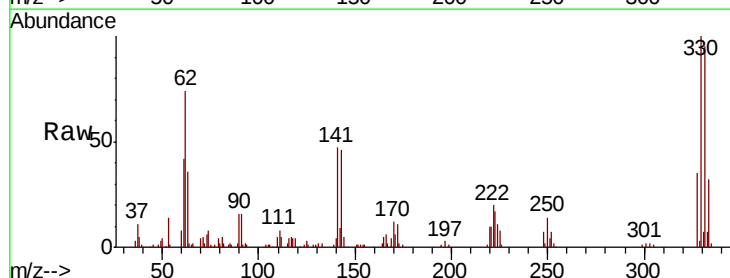
Tgt Ion:198 Resp: 352

Ion Ratio Lower Upper

198 100

51 194.1 18.7 58.7#

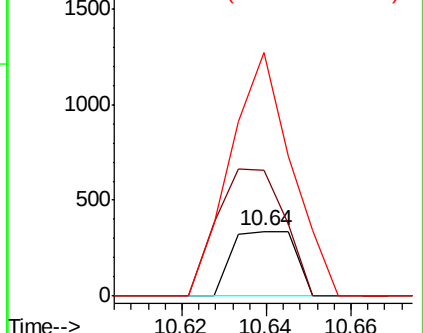
105 376.0 30.2 70.2#

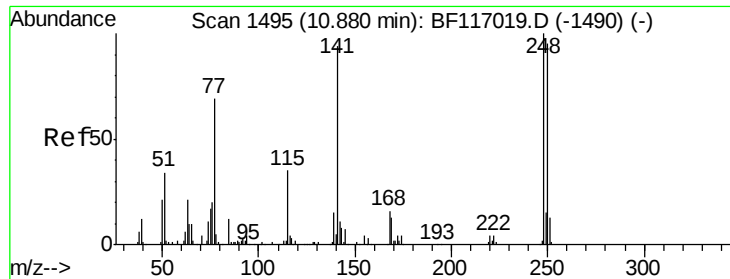


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

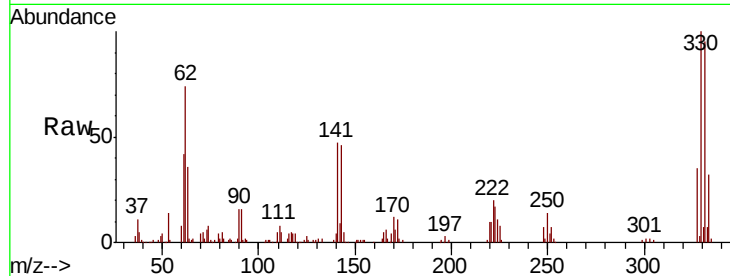




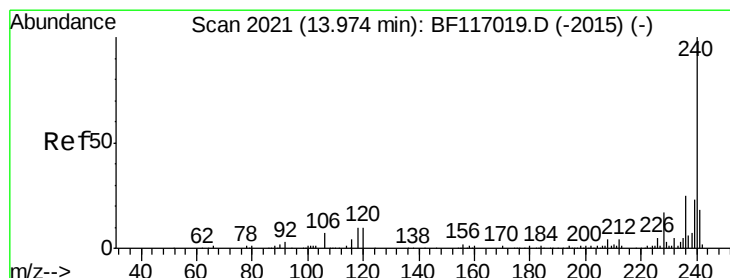
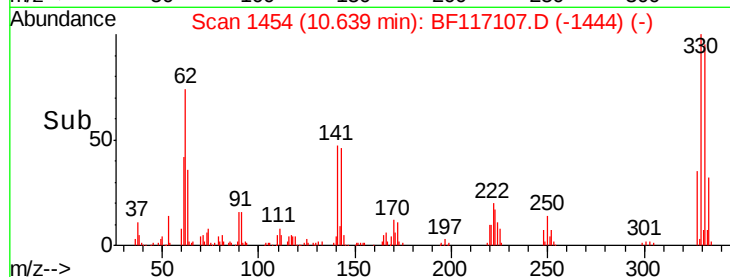
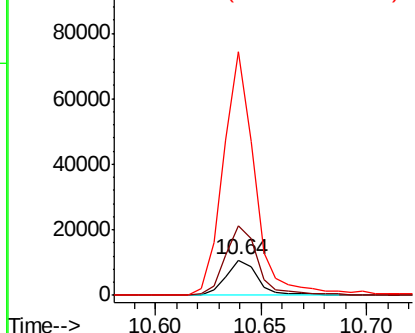
#67
 4-Bromophenyl-phenylether
 Concen: 4.695 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117107.D
 Acq: 17 Sep 2019 15:30

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 11151
 Ion Ratio Lower Upper
 248 100
 250 195.6 76.2 114.4#
 141 685.8 75.0 112.4#

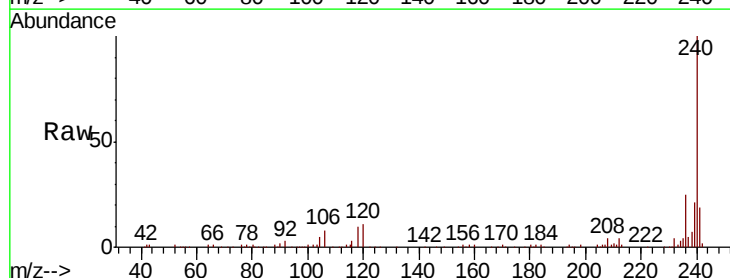


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

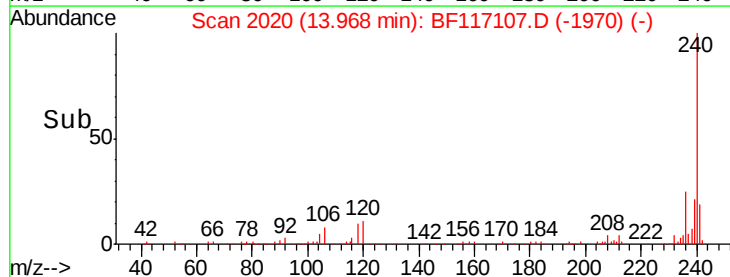
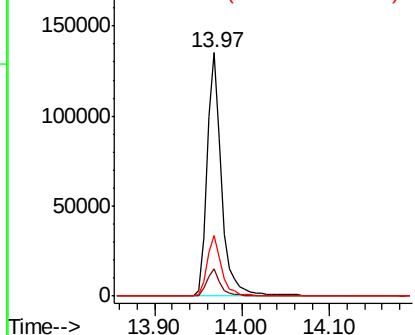


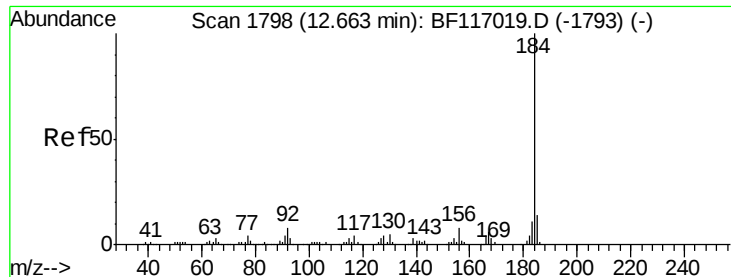
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117107.D
 Acq: 17 Sep 2019 15:30

Tgt Ion:240 Resp: 155182
 Ion Ratio Lower Upper
 240 100
 120 11.3 8.3 12.5
 236 24.9 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: 2.223 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF117107.D

Acq: 17 Sep 2019 15:30

Instrument :

BNA_F

ClientSampleId :

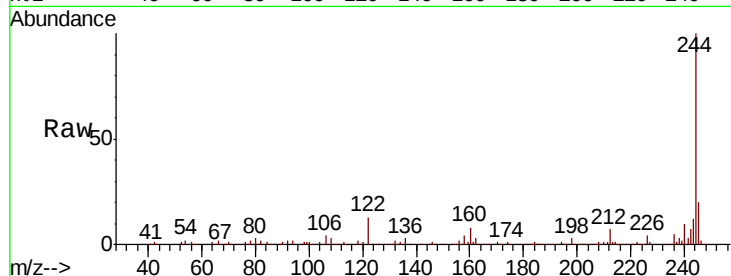
Tot Ion:184 Resp: 11110

Ion Ratio Lower Upper

184 100

185 13.0 11.6 17.4

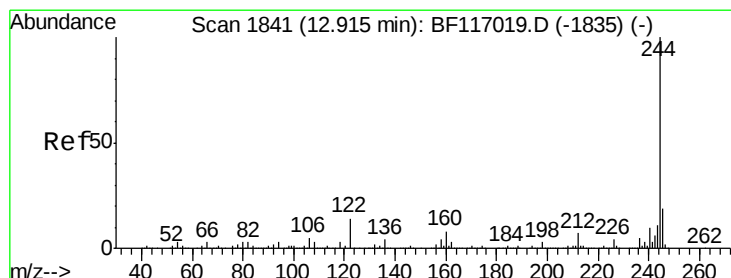
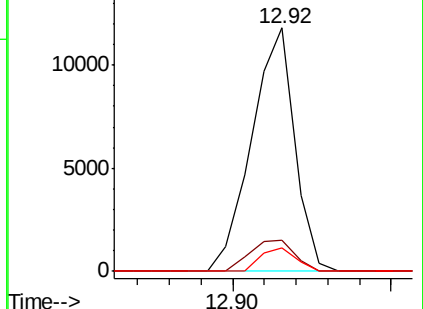
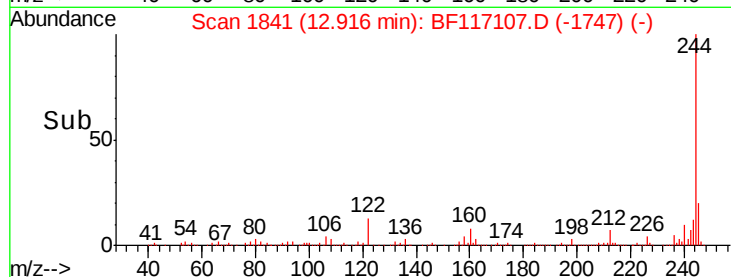
183 9.5 9.0 13.4



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: 93.396 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117107.D

Acq: 17 Sep 2019 15:30

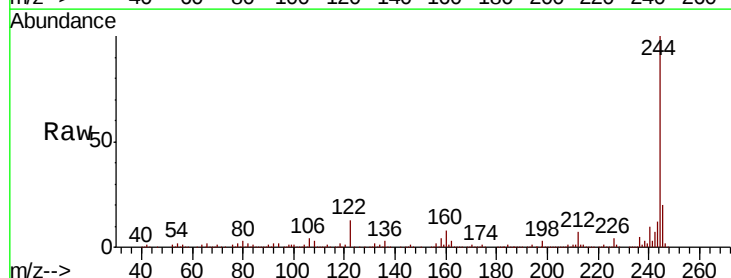
Tgt Ion:244 Resp: 775371

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

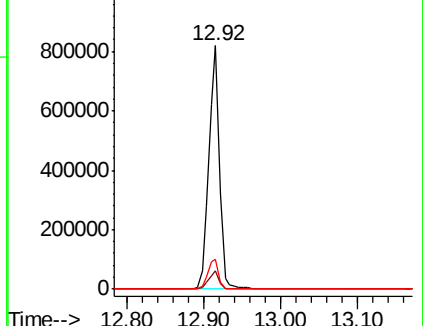
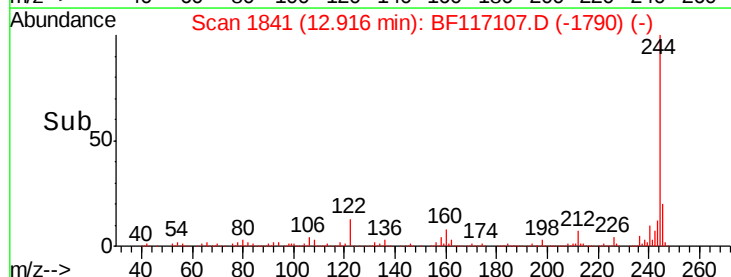
122 12.5 11.3 16.9

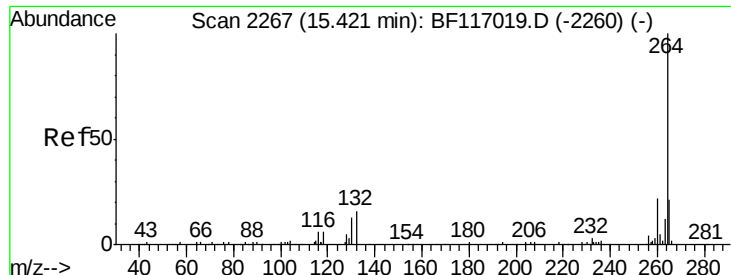


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF117107.D
 Acq: 17 Sep 2019 15:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.6	26.4
265	20.9	16.6	24.8

