

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117117.D
 Acq On : 17 Sep 2019 19:57
 Operator : HP/JU
 Sample : K4664-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-091319

Quant Time: Sep 18 03:52:40 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	62580	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	242638	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	126019	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	207630	20.00	ng	0.00
76) Chrysene-d12	13.97	240	153193	20.00	ng	0.00
87) Perylene-d12	15.42	264	140046	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	509353	127.07	ng	0.02
7) Phenol-d6	6.46	99	604876	116.77	ng	0.00
23) Nitrobenzene-d5	7.39	82	478274	103.57	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	174843	166.01	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	873402	108.37	ng	0.00
79) Terphenyl-d14	12.92	244	858958	104.81	ng	0.00

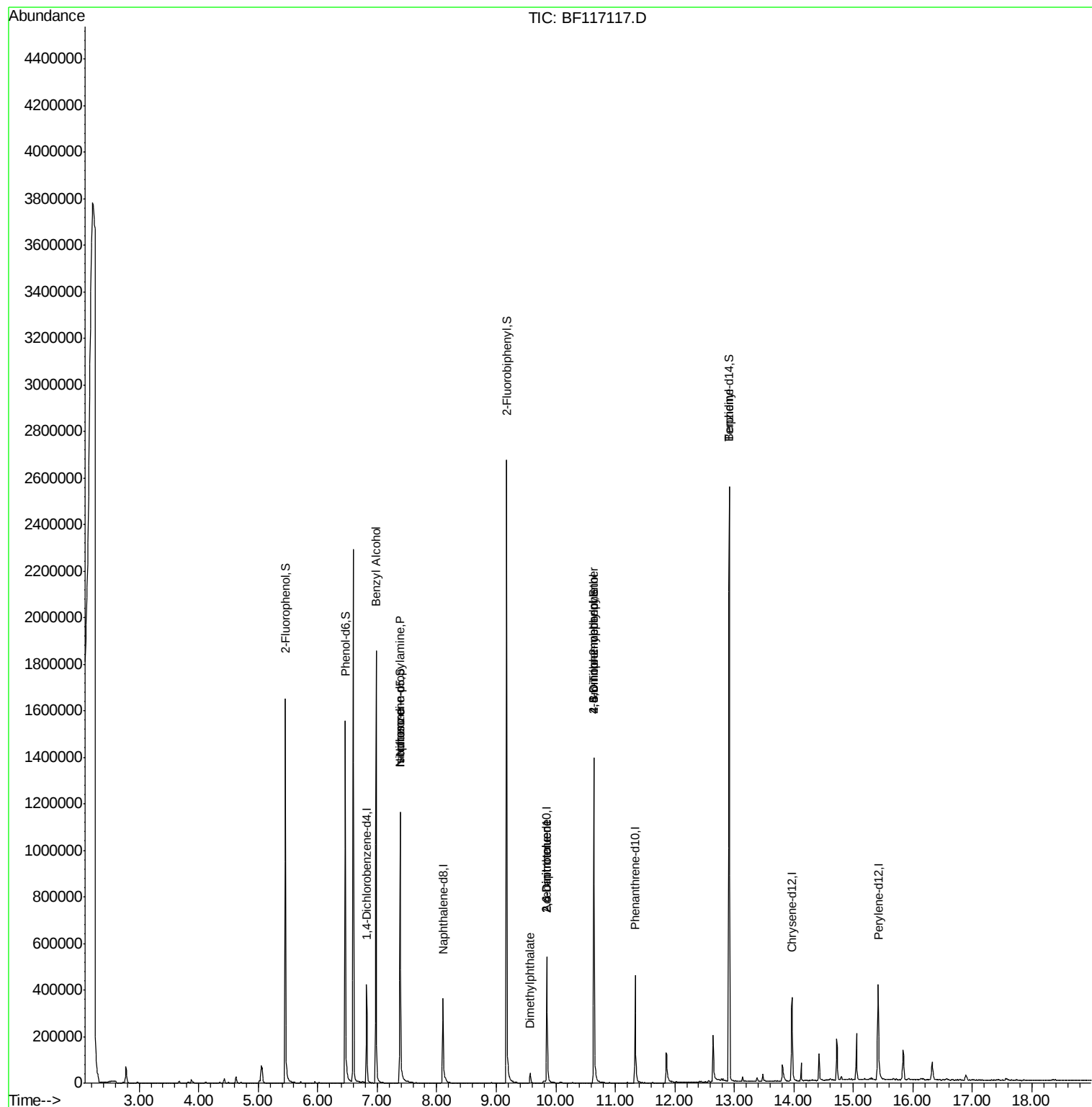
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	872	Below Cal		# 1
15) Benzyl Alcohol	6.98	79	8211	2.067	ng	# 46
19) n-Nitroso-di-n-propylamine	7.39	70	63074	19.996	ng	# 78
25) Isophorone	7.39	82	478335	58.502	ng	# 66
50) Dimethylphthalate	9.57	163	23758	2.663	ng	# 98
51) 2,6-Dinitrotoluene	9.85	165	16337	8.990	ng	# 25
57) 2,4-Dinitrotoluene	9.85	165	16337	6.926	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.64	198	134	7.024	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	10930	5.155	ng	# 1
77) Benzidine	12.92	184	11675	2.366	ng	# 98

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

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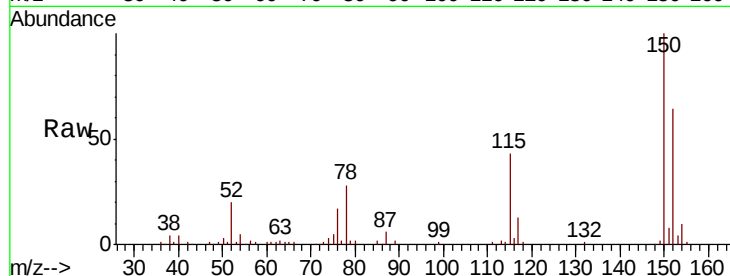


#1

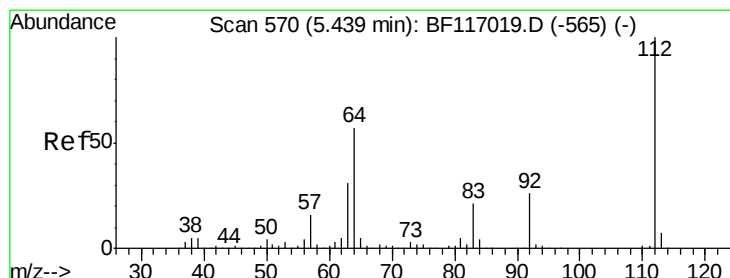
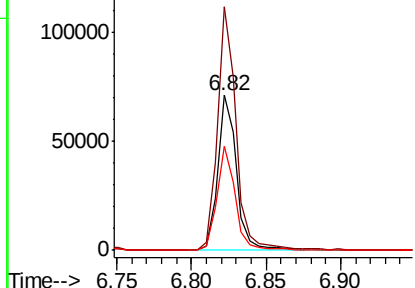
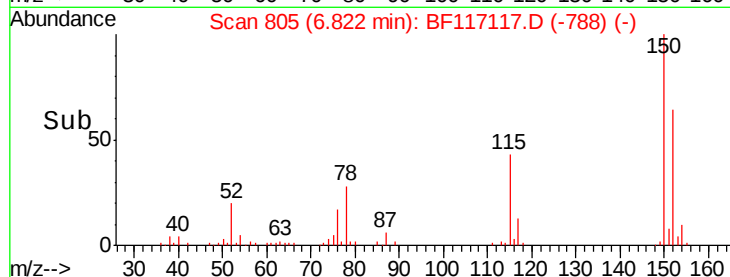
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117117.D
Acq: 17 Sep 2019 19:57

Instrument :
BNA_F
ClientSampleId :
OR-02-091319

Tot Ion:152 Resp: 62580
Ion Ratio Lower Upper
152 100
150 157.2 127.5 191.3
115 67.3 55.0 82.4



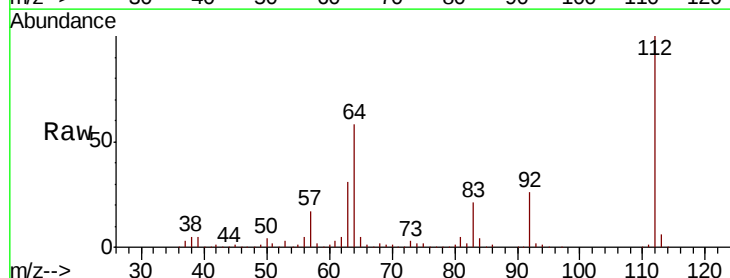
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



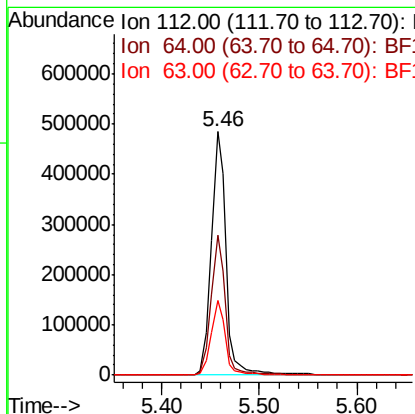
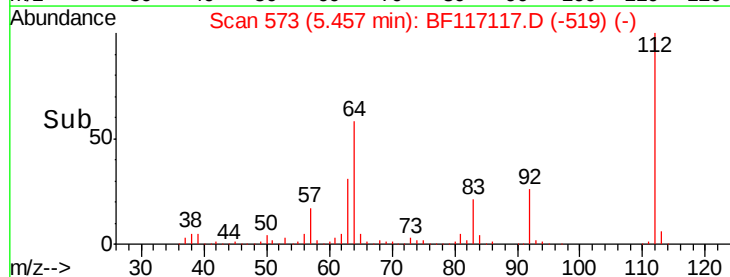
#5

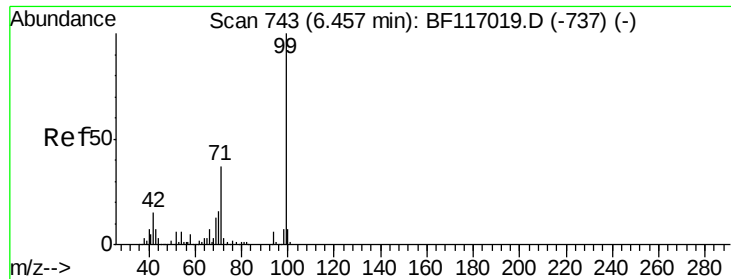
2-Fluorophenol
Concen: 127.074 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117117.D
Acq: 17 Sep 2019 19:57

Tgt Ion:112 Resp: 509353
Ion Ratio Lower Upper
112 100
64 57.6 45.7 68.5
63 30.8 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: 116.767 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117117.D

Acq: 17 Sep 2019 19:57

Instrument :

BNA_F

ClientSampleId :

OR-02-091319

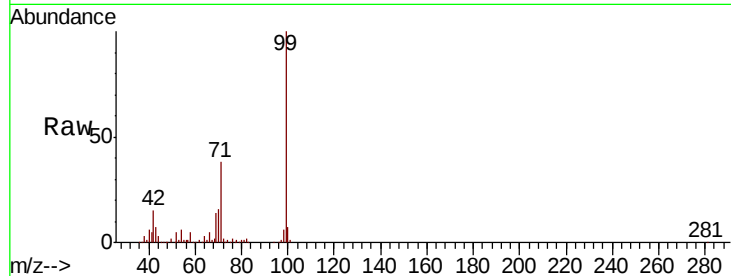
Tot Ion: 99 Resp: 604876

Ion Ratio Lower Upper

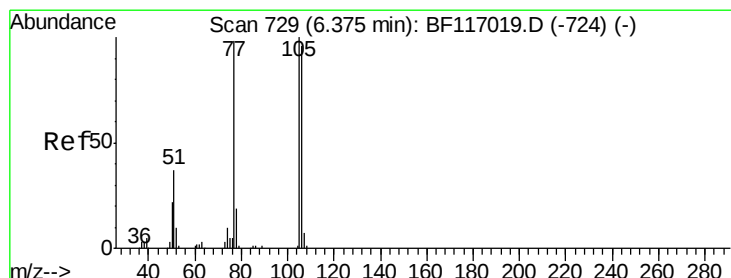
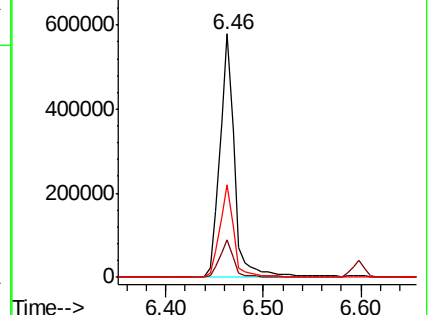
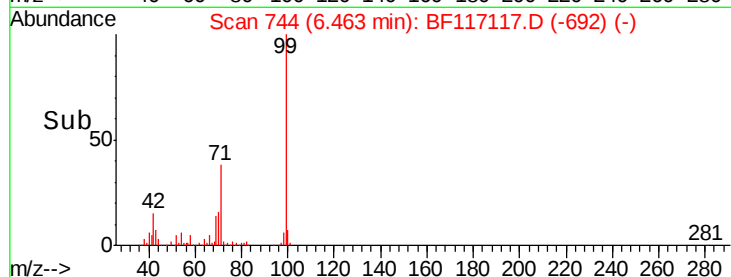
99 100

42 15.4 12.2 18.2

71 37.9 29.8 44.8



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: Below Cal

RT: 6.46 min Scan# 744

Delta R.T. 0.09 min

Lab File: BF117117.D

Acq: 17 Sep 2019 19:57

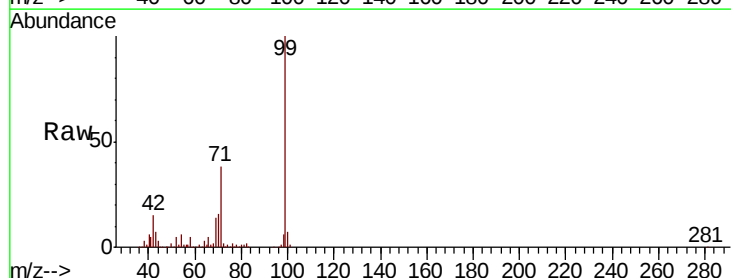
Tgt Ion: 77 Resp: 872

Ion Ratio Lower Upper

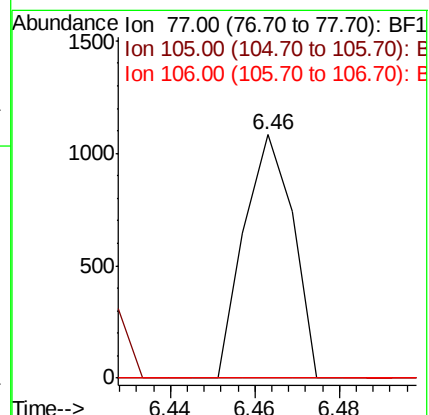
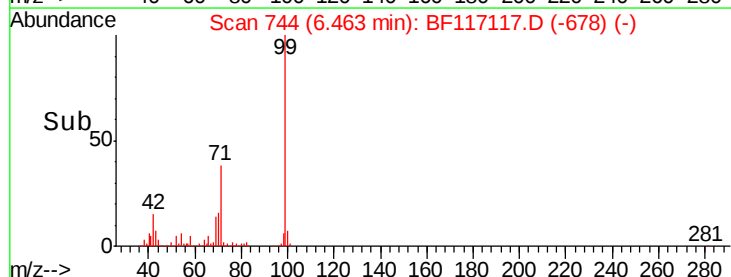
77 100

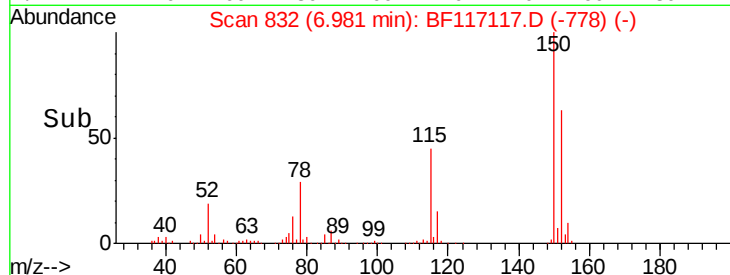
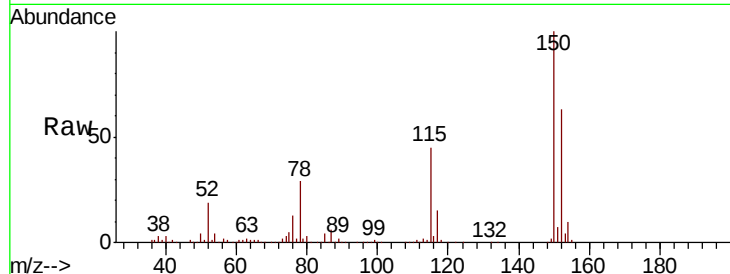
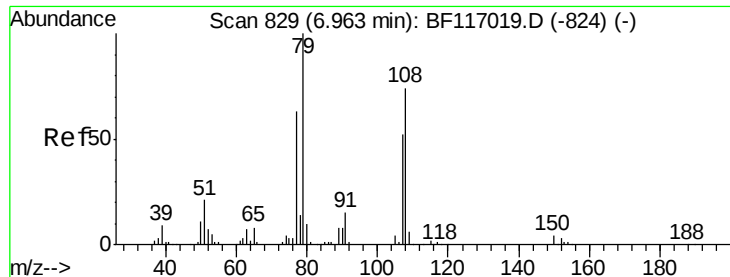
105 0.0 81.8 121.8#

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

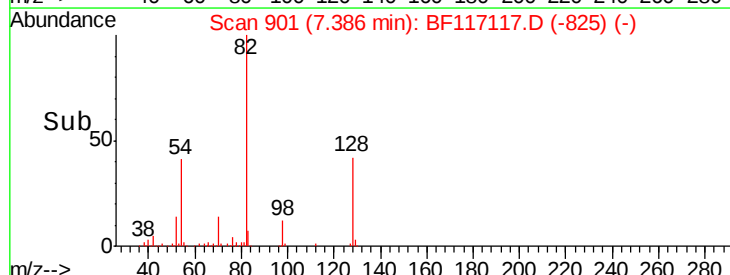
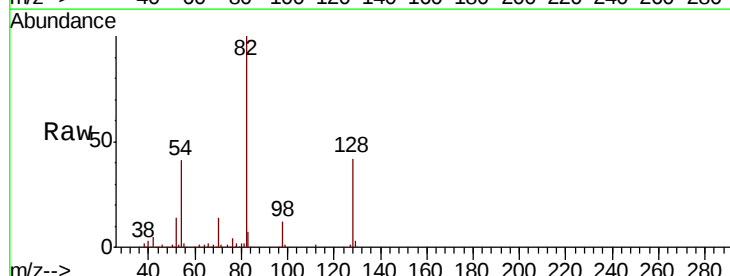
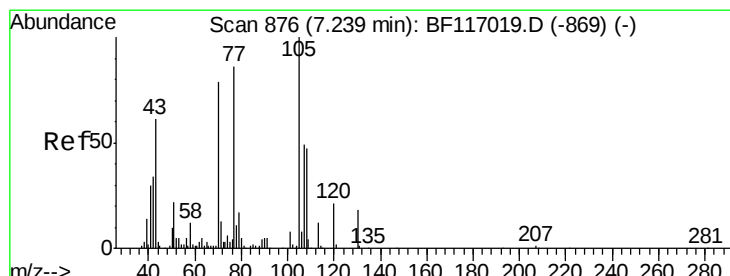
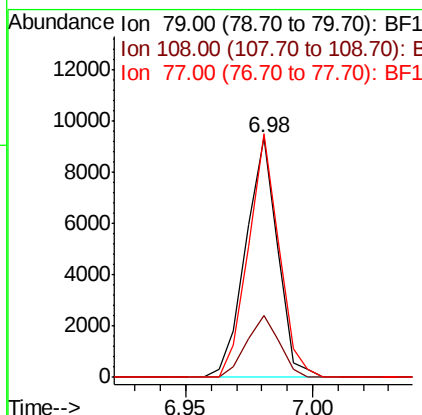




#15
Benzyl Alcohol
Concen: 2.067 ng
RT: 6.98 min Scan# 832
Delta R.T. 0.02 min
Lab File: BF117117.D
Acq: 17 Sep 2019 19:57

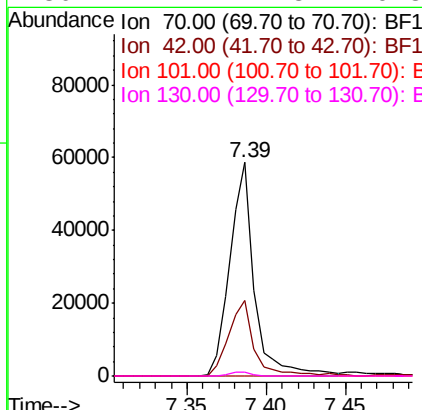
Instrument :
BNA_F
ClientSampleId :
OR-02-091319

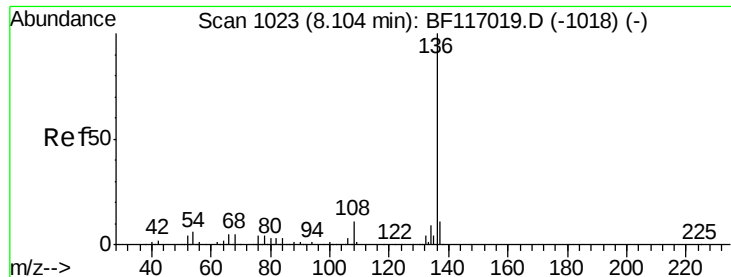
Tot Ion: 79 Resp: 8211
Ion Ratio Lower Upper
79 100
108 25.7 59.4 89.0#
77 101.6 50.2 75.2#



#19
n-Nitroso-di-n-propylamine
Concen: 19.996 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117117.D
Acq: 17 Sep 2019 19:57

Tgt Ion: 70 Resp: 63074
Ion Ratio Lower Upper
70 100
42 35.4 34.0 51.0
101 0.0 7.8 11.6#
130 2.1 17.8 26.8#

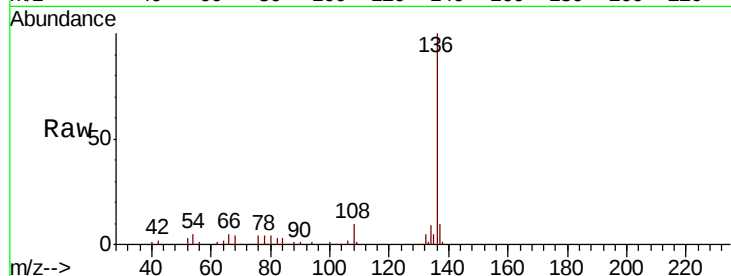




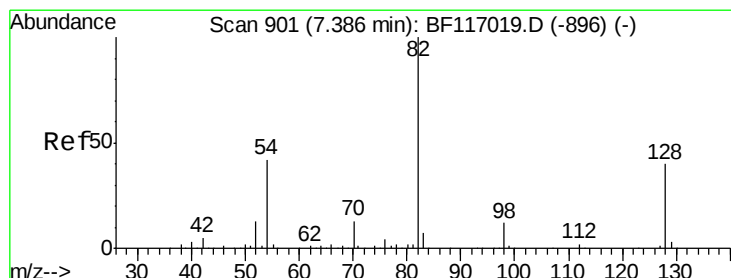
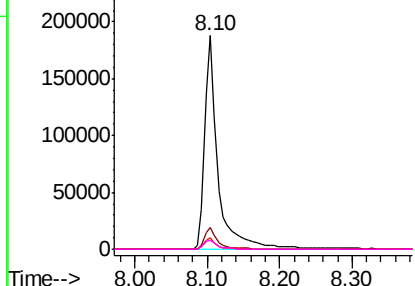
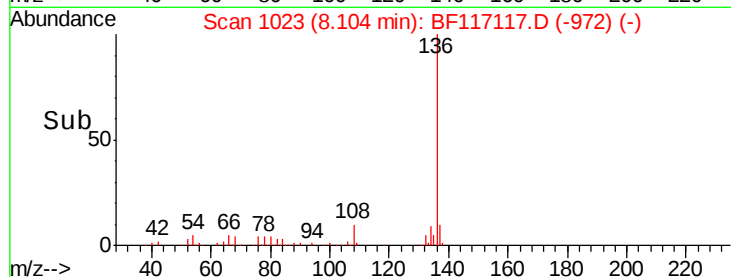
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF117117.D
Acq: 17 Sep 2019 19:57

Instrument :
BNA_F
ClientSampleId :
OR-02-091319

Tot Ion:136	Resp:	242638
Ion Ratio	Lower	Upper
136 100		
137 10.5	9.0	13.4
54 5.4	4.5	6.7
68 4.3	4.0	6.0

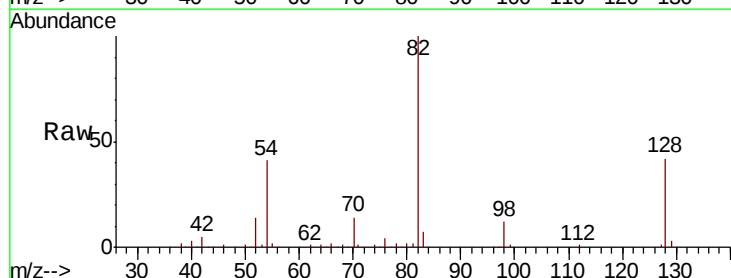


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

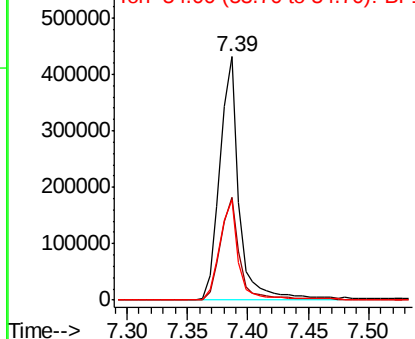
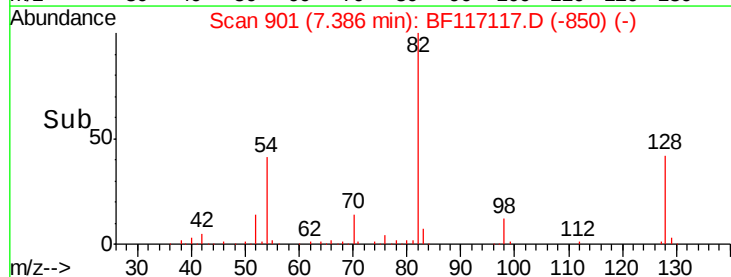


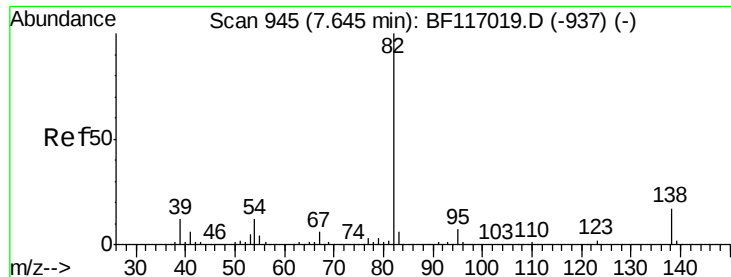
#23
Nitrobenzene-d5
Concen: 103.569 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF117117.D
Acq: 17 Sep 2019 19:57

Tgt Ion: 82	Resp: 478274
Ion Ratio	Lower Upper
82 100	
128 42.2	32.3 48.5
54 41.4	33.3 49.9



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

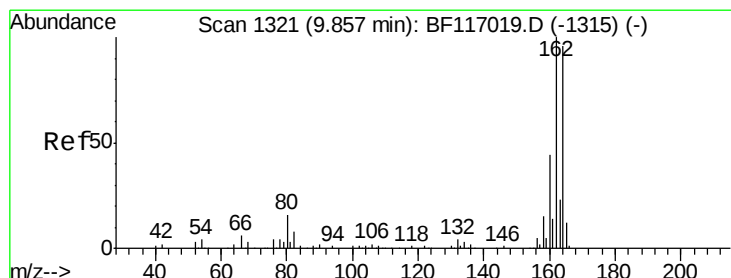
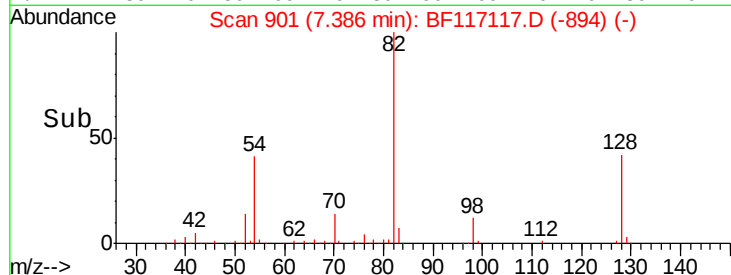
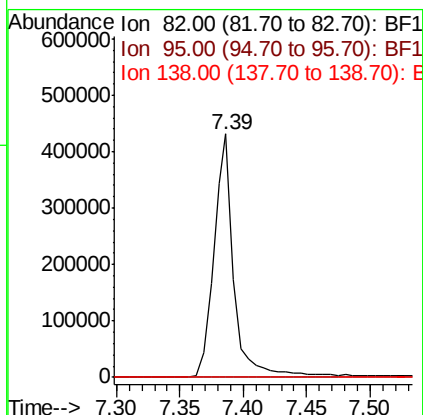
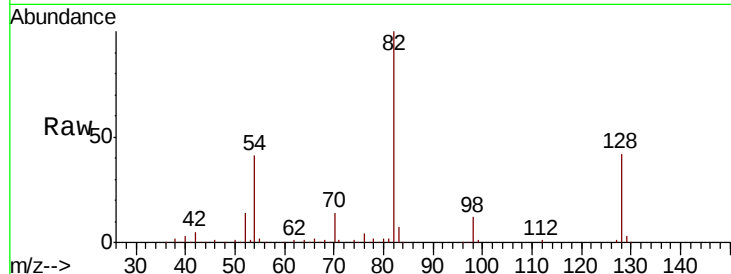




#25
Isophorone
Concen: 58.502 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF117117.D
Acq: 17 Sep 2019 19:57

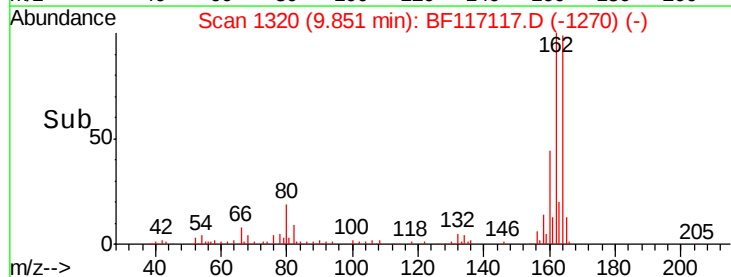
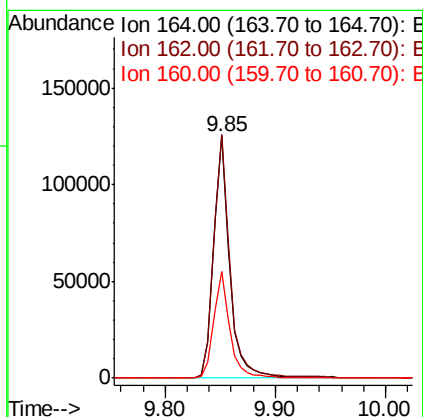
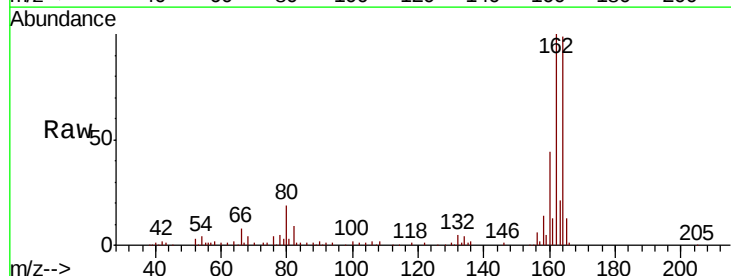
Instrument :
BNA_F
ClientSampleId :
OR-02-091319

Tot Ion: 82 Resp: 478335
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: BF117117.D
Acq: 17 Sep 2019 19:57

Tgt Ion: 164 Resp: 126019
Ion Ratio Lower Upper
164 100
162 100.7 83.4 125.2
160 44.0 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 166.006 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117117.D

Acq: 17 Sep 2019 19:57

Instrument :

BNA_F

ClientSampleId :

OR-02-091319

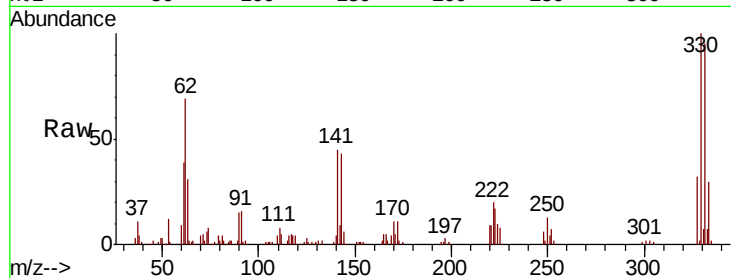
Tot Ion:330 Resp: 174843

Ion Ratio Lower Upper

330 100

332 95.3 78.0 117.0

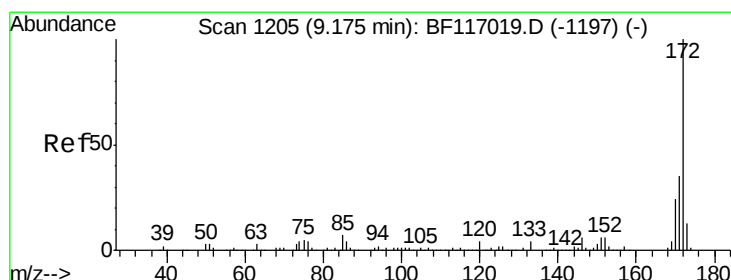
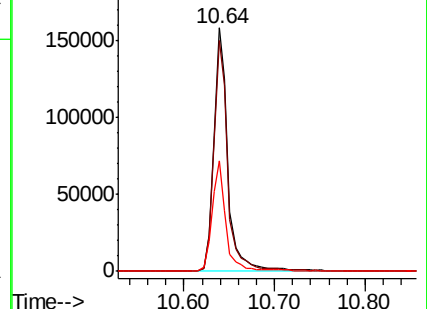
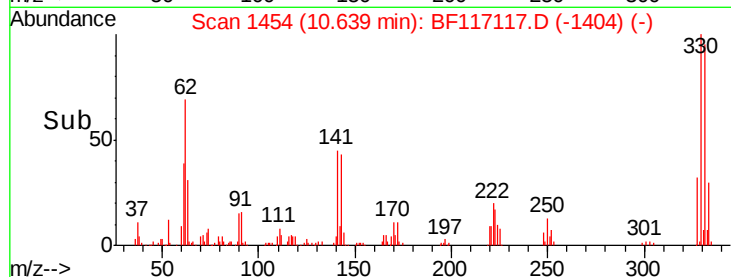
141 44.7 35.8 53.6



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: 108.367 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BF117117.D

Acq: 17 Sep 2019 19:57

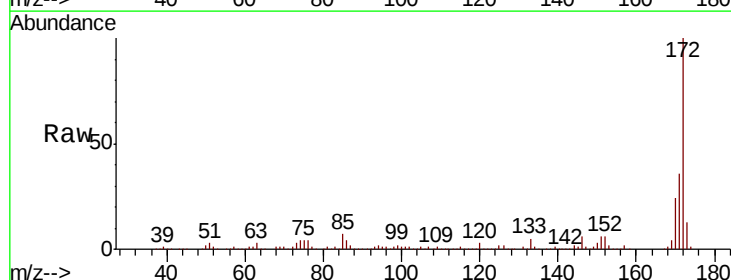
Tgt Ion:172 Resp: 873402

Ion Ratio Lower Upper

172 100

171 35.8 28.2 42.2

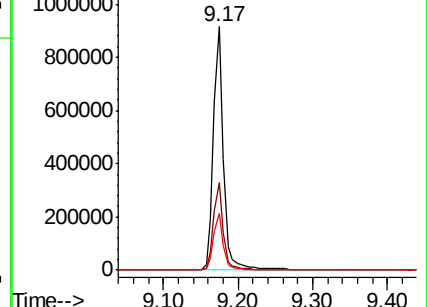
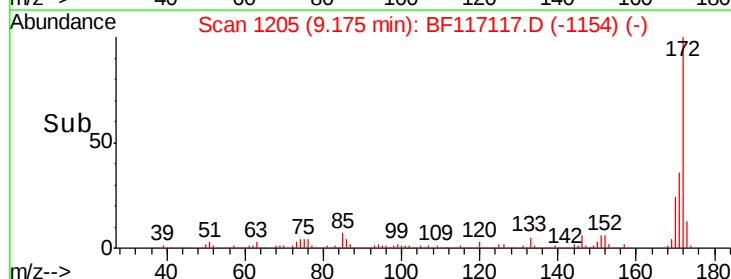
170 23.5 18.9 28.3

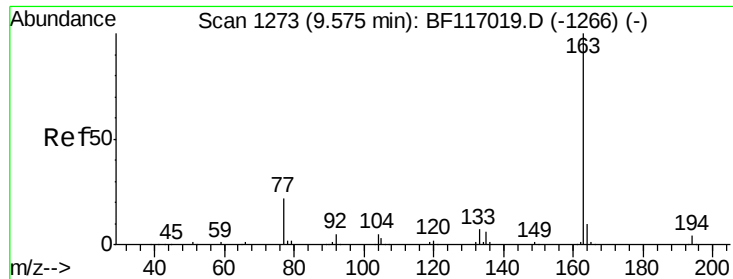


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

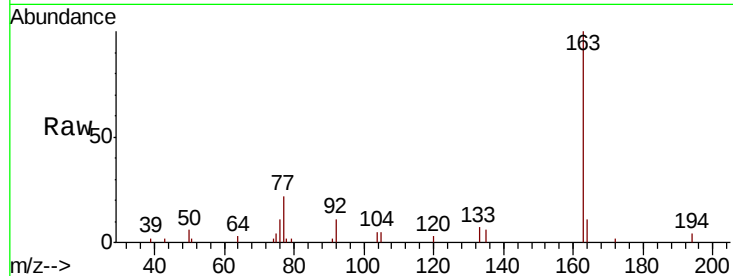




#50
Dimethylphthalate
Concen: 2.663 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117117.D
Acq: 17 Sep 2019 19:57

Instrument :
BNA_F
ClientSampleId :
OR-02-091319

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.9	4.3
164	11.2	8.2	12.4

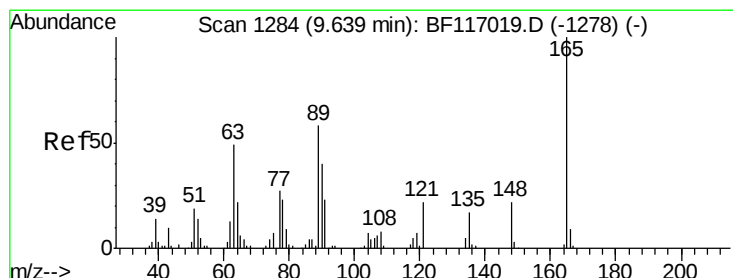
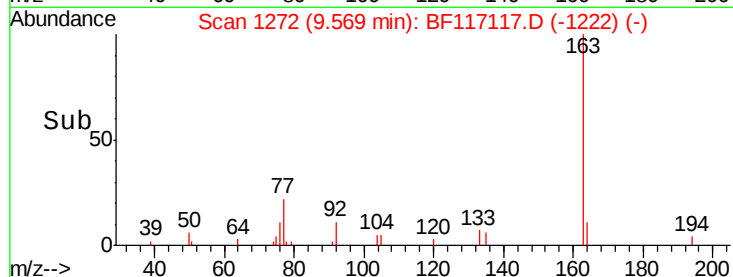
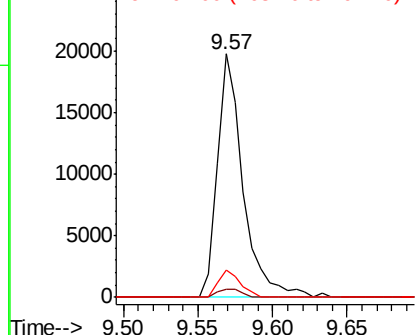


Abundance

Ion 163.00 (162.70 to 163.70): E

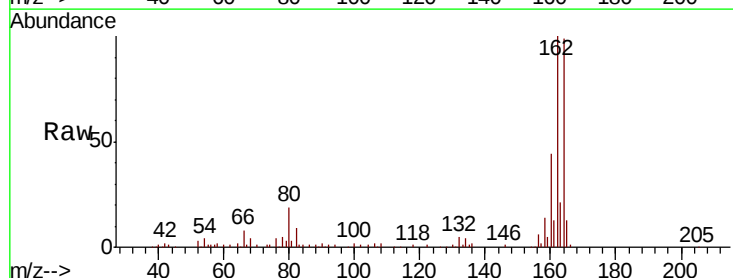
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 8.990 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF117117.D
Acq: 17 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	1.9	46.5	69.7#

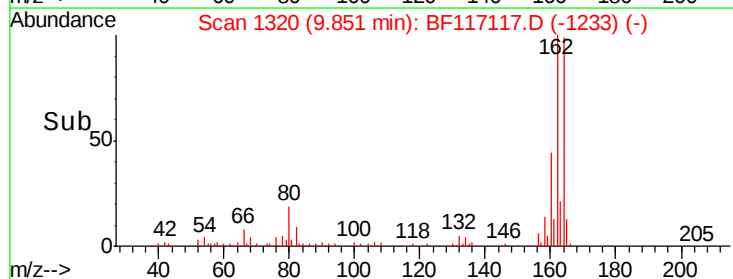
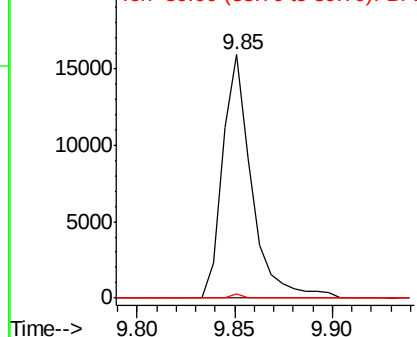


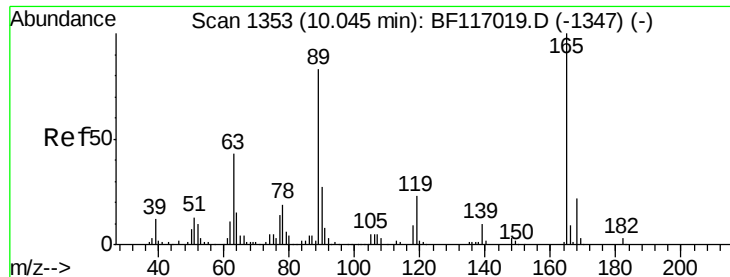
Abundance

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

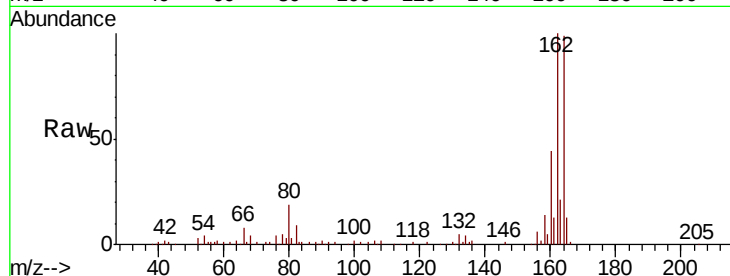




#57
 2,4-Dinitrotoluene
 Concen: 6.926 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117117.D
 Acq: 17 Sep 2019 19:57

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-091319

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	1.9	66.1	99.1#
182	0.0	2.0	3.0#



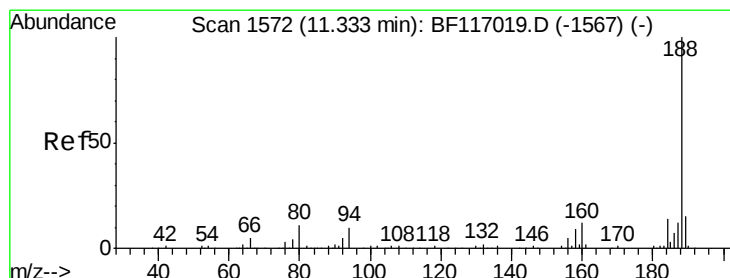
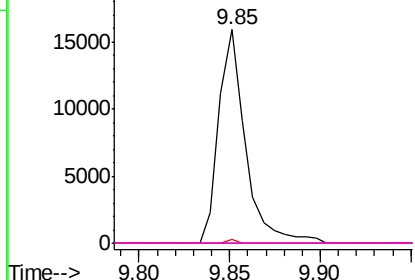
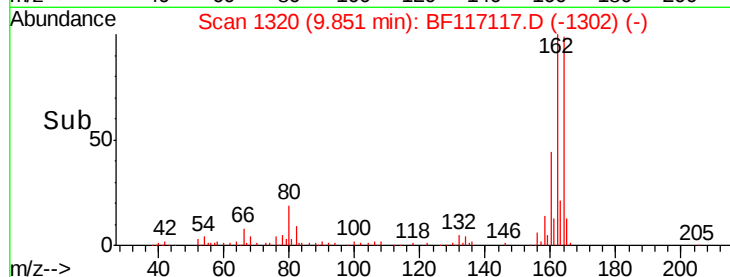
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

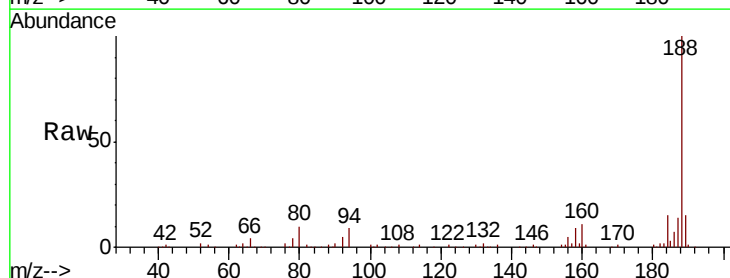
Ion 89.00 (88.70 to 89.70): BF1

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: BF117117.D
 Acq: 17 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.2	12.2
80	9.8	9.0	13.6

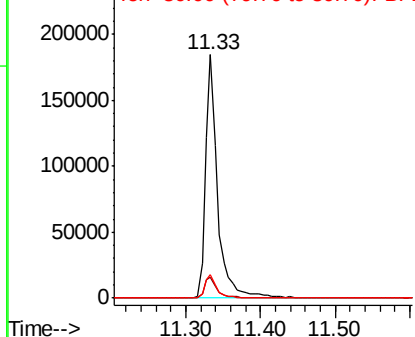
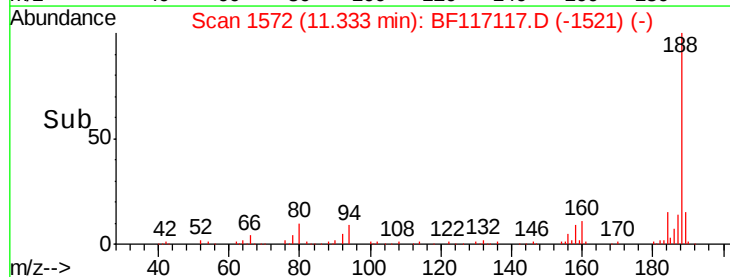


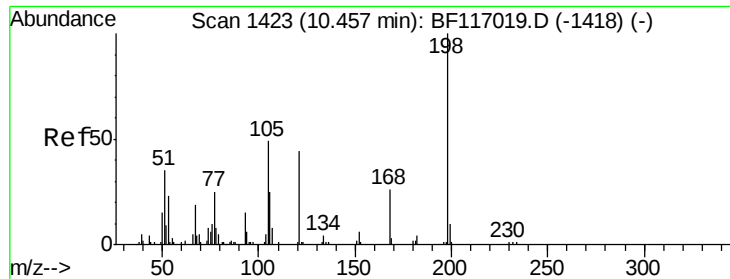
Abundance

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

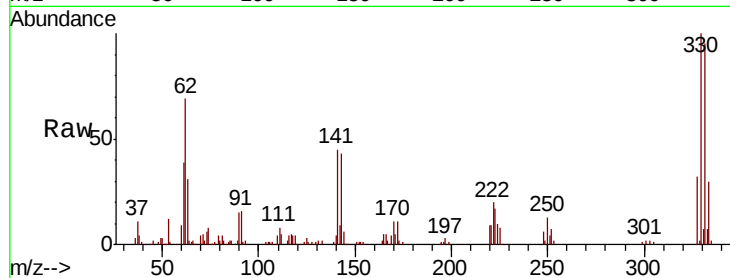




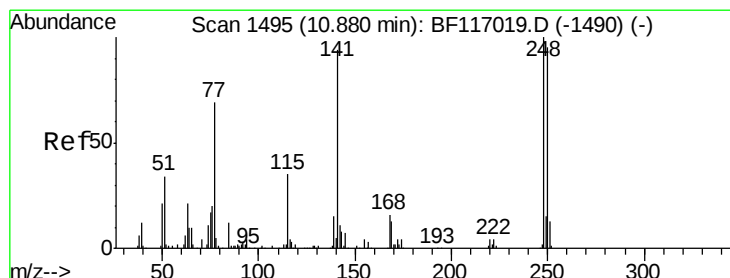
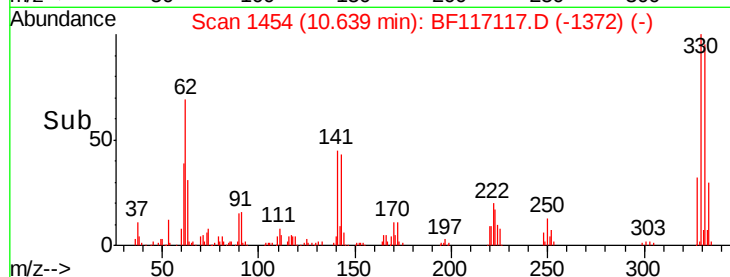
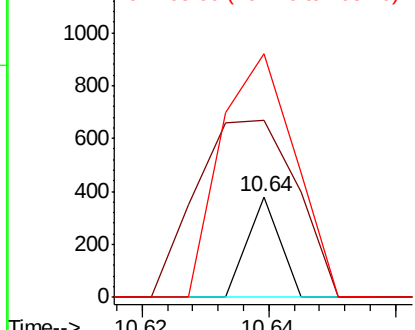
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.024 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF117117.D
 Acq: 17 Sep 2019 19:57

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-091319

Tot Ion:198 Resp: 134
 Ion Ratio Lower Upper
 198 100
 51 176.5 18.7 58.7#
 105 242.7 30.2 70.2#

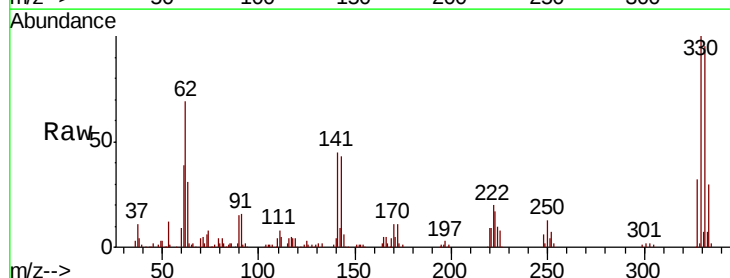


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

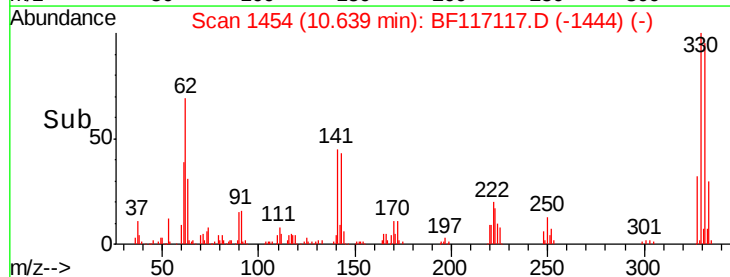
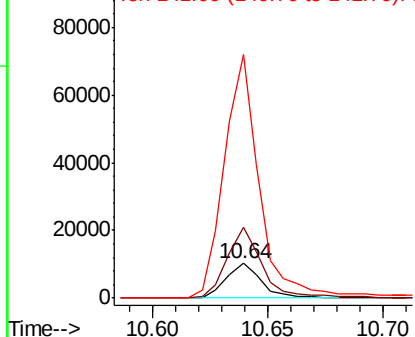


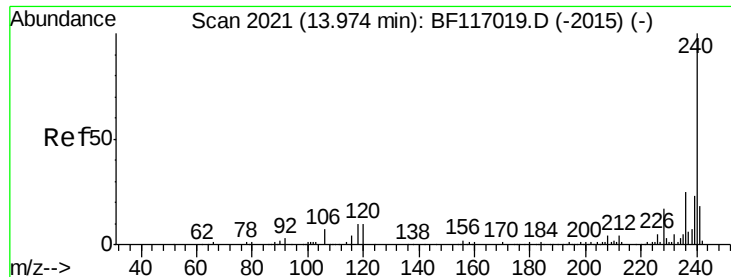
#67
 4-Bromophenyl-phenylether
 Concen: 5.155 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117117.D
 Acq: 17 Sep 2019 19:57

Tgt Ion:248 Resp: 10930
 Ion Ratio Lower Upper
 248 100
 250 202.7 76.2 114.4#
 141 700.3 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

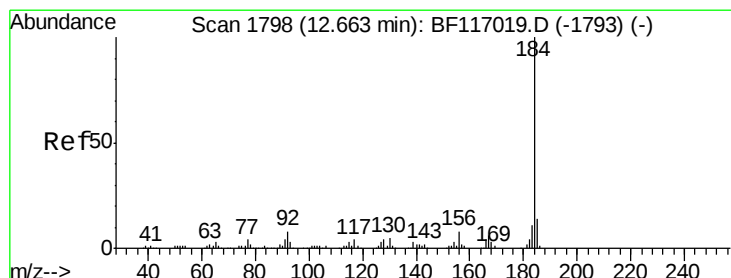
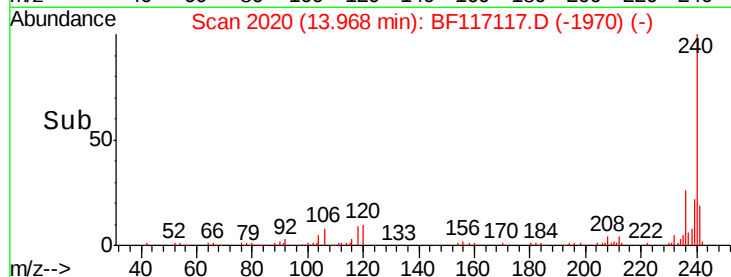
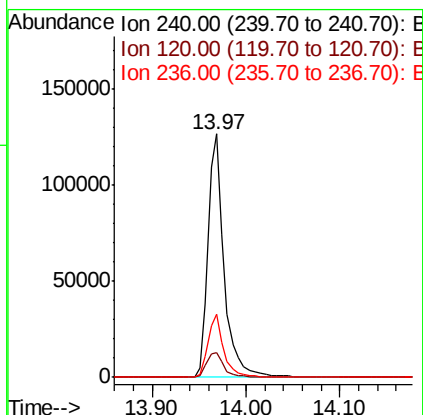
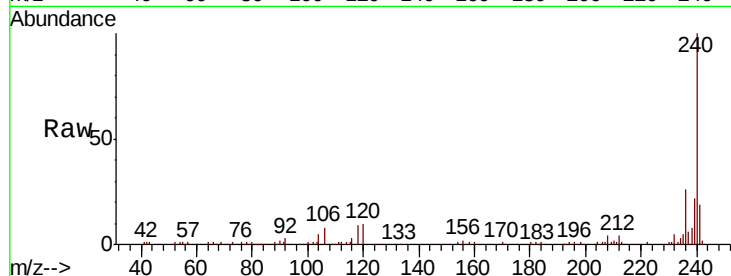




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117117.D
 Acq: 17 Sep 2019 19:57

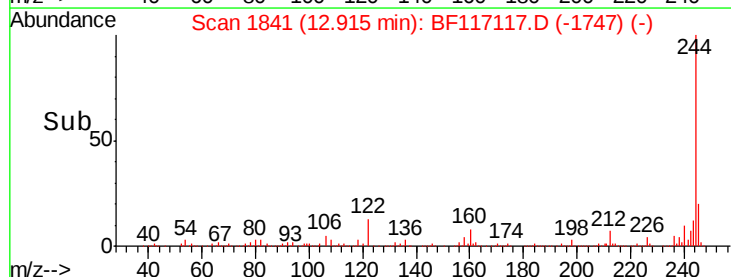
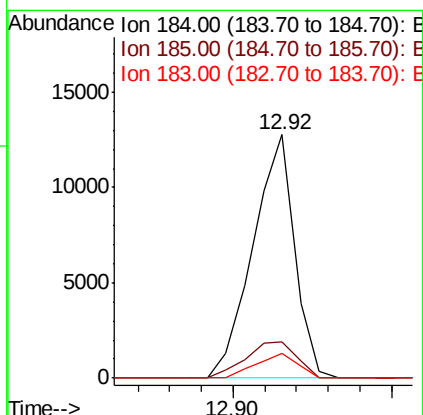
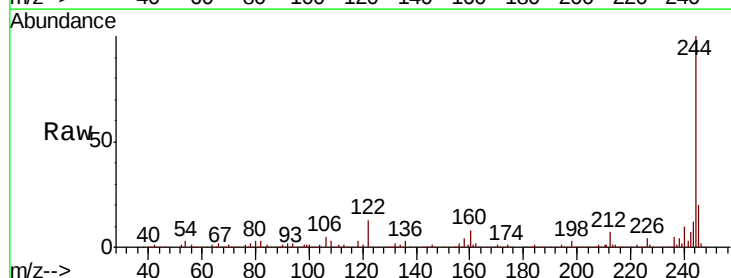
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-091319

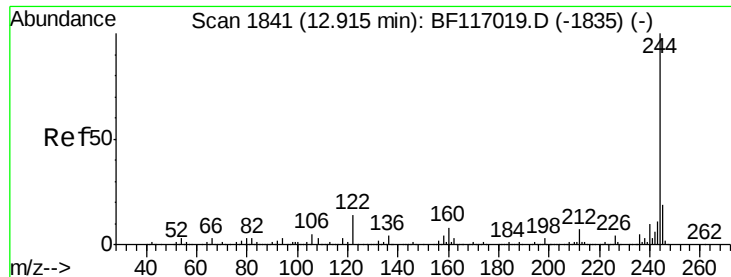
Tot Ion:240 Resp: 153193
 Ion Ratio Lower Upper
 240 100
 120 10.0 8.3 12.5
 236 25.7 20.3 30.5



#77
 Benzidine
 Concen: 2.366 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.25 min
 Lab File: BF117117.D
 Acq: 17 Sep 2019 19:57

Tgt Ion:184 Resp: 11675
 Ion Ratio Lower Upper
 184 100
 185 15.0 11.6 17.4
 183 10.1 9.0 13.4

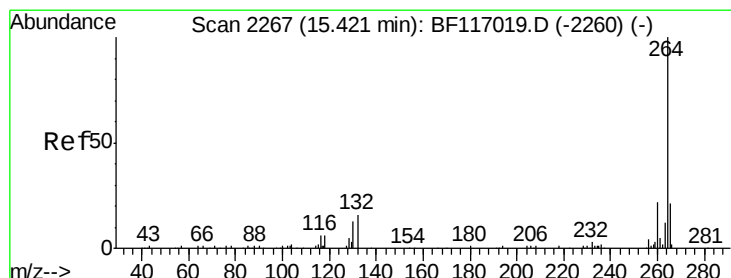
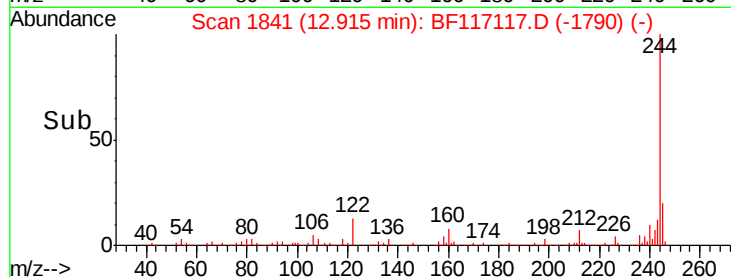
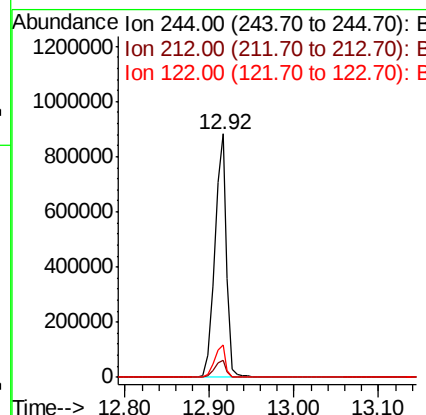
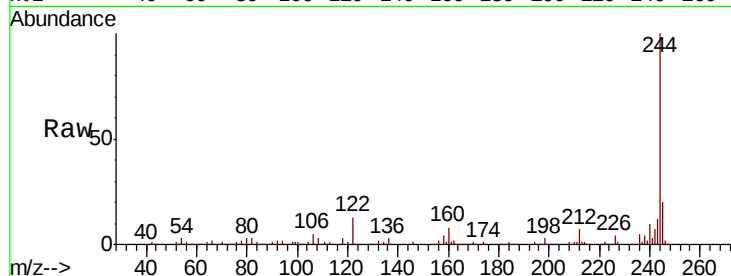




#79
 Terphenyl-d14
 Concen: 104.808 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF117117.D
 Acq: 17 Sep 2019 19:57

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-091319

Tot Ion:244 Resp: 858958
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 13.4 11.3 16.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF117117.D
 Acq: 17 Sep 2019 19:57

Tgt Ion:264 Resp: 140046
 Ion Ratio Lower Upper
 264 100
 260 22.8 17.6 26.4
 265 21.4 16.6 24.8

