

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117119.D
 Acq On : 17 Sep 2019 20:50
 Operator : HP/JU
 Sample : K4661-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 18 03:53:12 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	62004	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	239022	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	123465	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	206764	20.00	ng	0.00
76) Chrysene-d12	13.97	240	152330	20.00	ng	0.00
87) Perylene-d12	15.42	264	137578	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	527203	132.75	ng	0.02
7) Phenol-d6	6.46	99	637714	124.25	ng	0.00
23) Nitrobenzene-d5	7.39	82	497769	109.42	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	179753	174.20	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	909355	115.16	ng	0.00
79) Terphenyl-d14	12.92	244	949919	116.56	ng	0.00

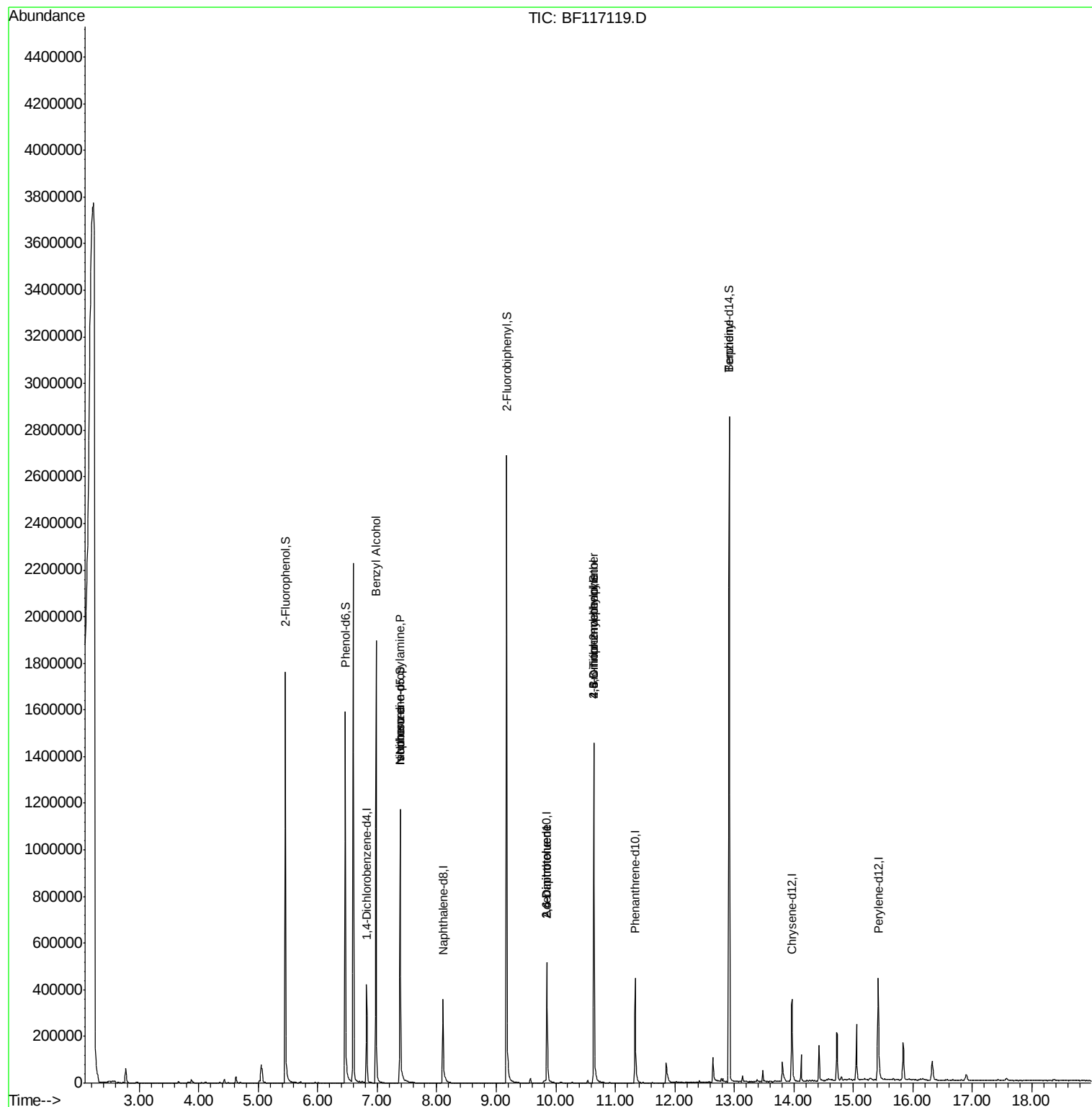
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	873	Below Cal	#	1
15) Benzyl Alcohol	6.98	79	8234	2.092	ng	48
19) n-Nitroso-di-n-propylamine	7.39	70	63517	20.323	ng	77
25) Isophorone	7.39	82	497766	61.799	ng	66
51) 2,6-Dinitrotoluene	9.85	165	15538	8.727	ng	24
57) 2,4-Dinitrotoluene	9.85	165	15538	6.723	ng	18
65) 4,6-Dinitro-2-methylphenol	10.64	198	302	7.177	ng	1
67) 4-Bromophenyl-phenylether	10.64	248	11148	5.280	ng	1
77) Benzidine	12.92	184	13881	2.829	ng	94

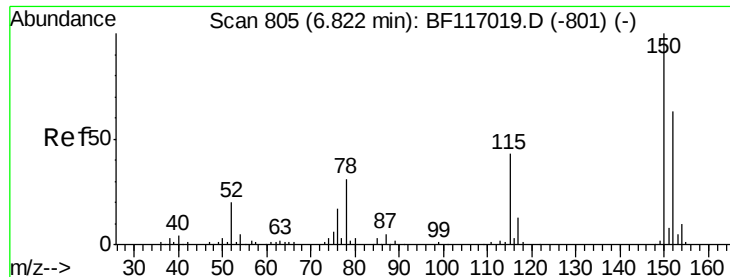
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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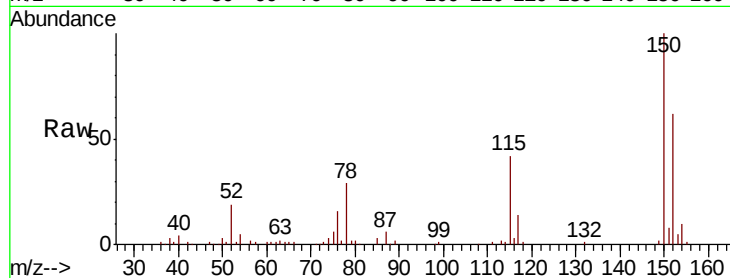


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117119.D
Acq: 17 Sep 2019 20:50

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.8	127.5	191.3
115	68.3	55.0	82.4

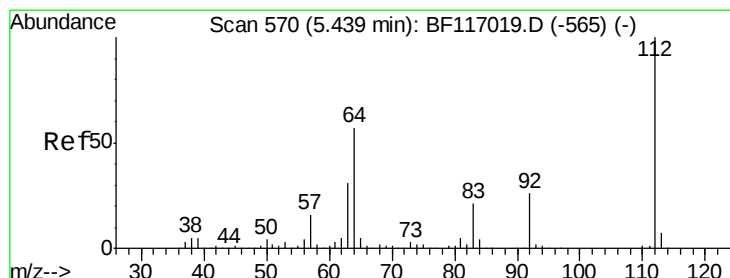
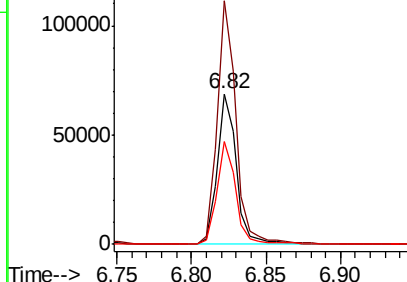
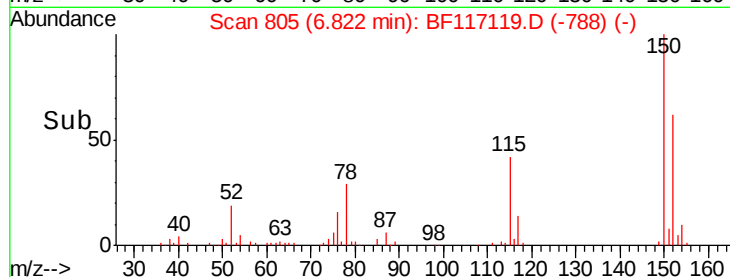


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

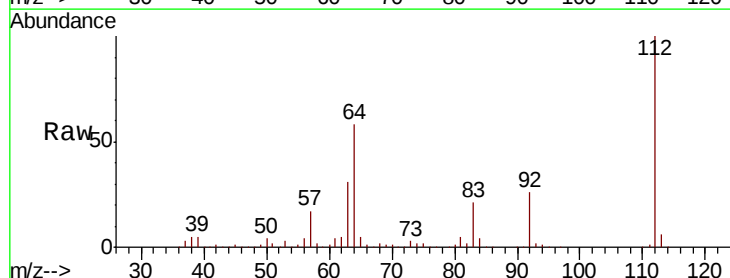
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 132.749 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117119.D
Acq: 17 Sep 2019 20:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	45.7	68.5
63	31.2	24.9	37.3

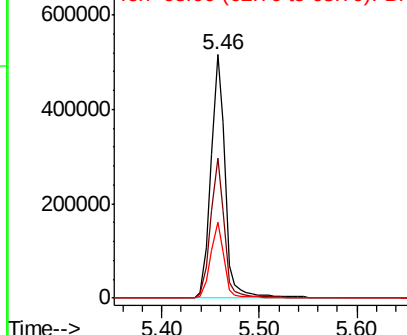
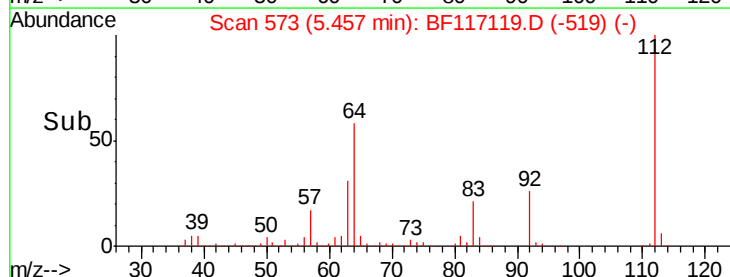


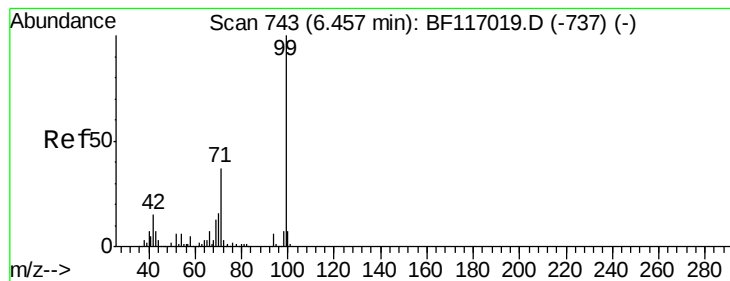
Abundance

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: 124.249 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117119.D

Acq: 17 Sep 2019 20:50

Instrument :

BNA_F

ClientSampleId :

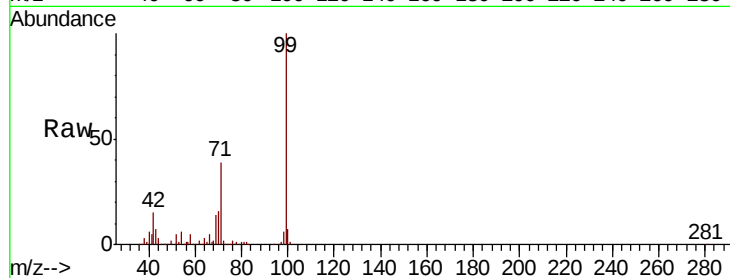
Tot Ion: 99 Resp: 637714

Ion Ratio Lower Upper

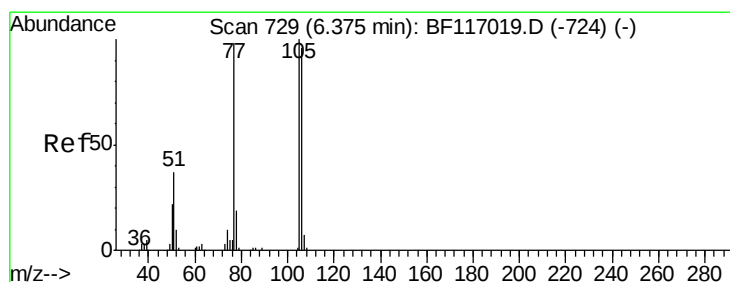
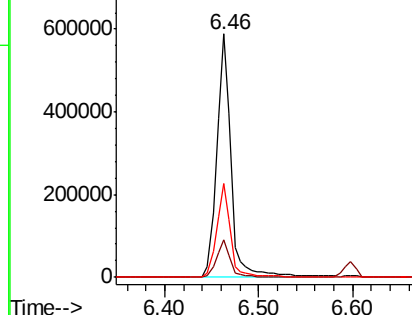
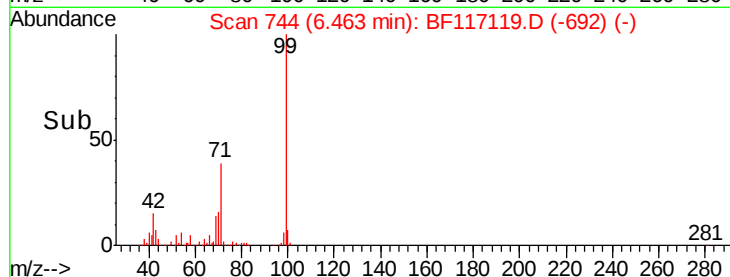
99 100

42 15.3 12.2 18.2

71 38.6 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: BF117119.D

Acq: 17 Sep 2019 20:50

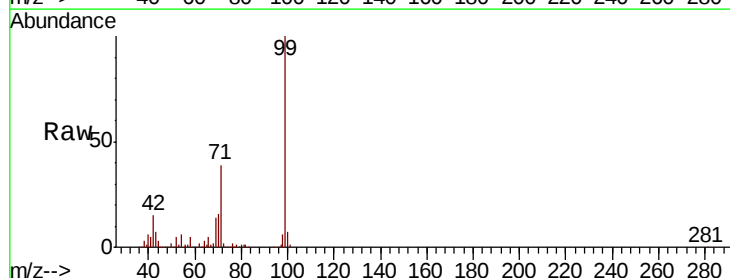
Tgt Ion: 77 Resp: 873

Ion Ratio Lower Upper

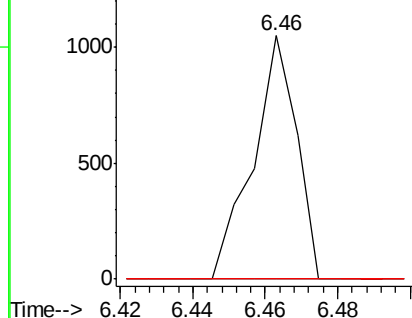
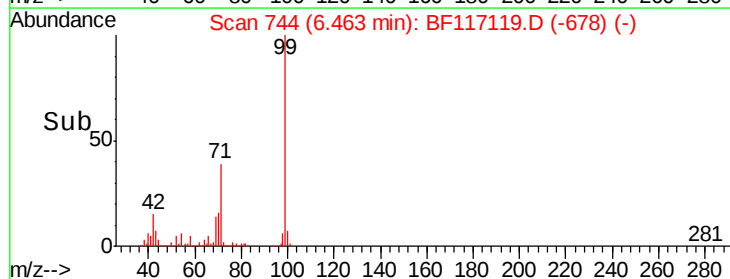
77 100

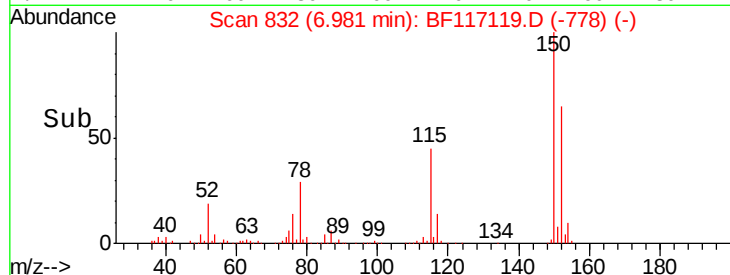
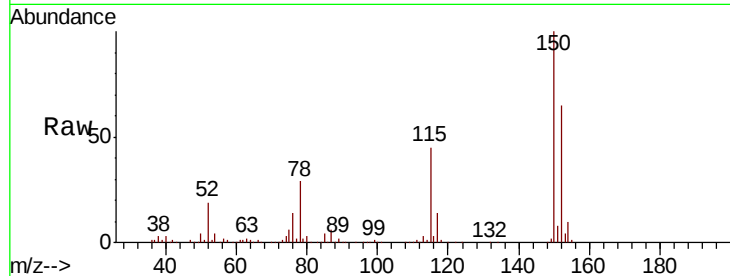
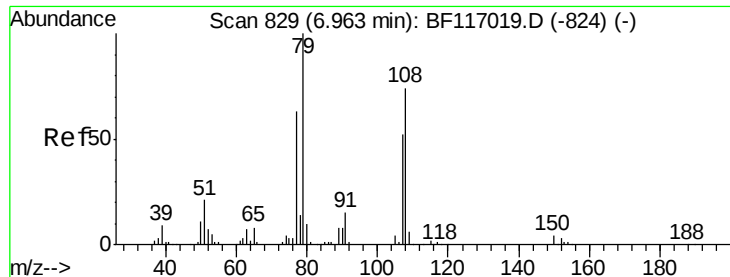
105 0.0 81.8 121.8#

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

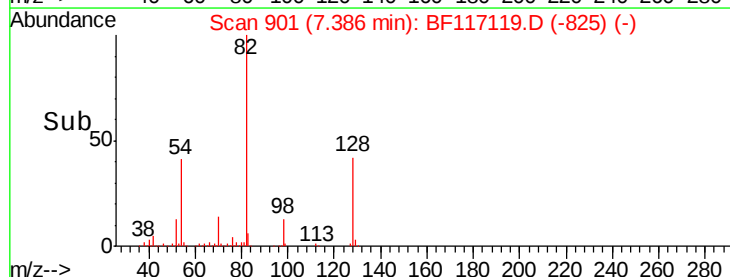
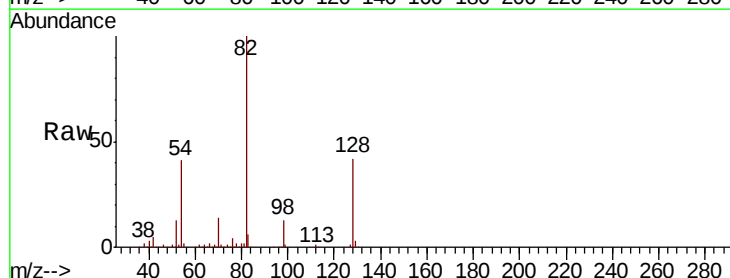
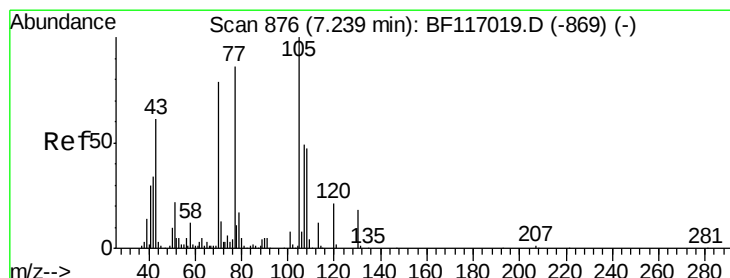
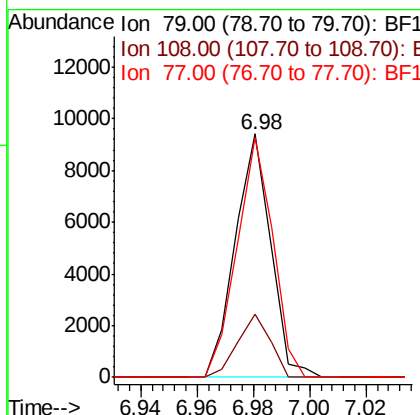




#15
Benzyl Alcohol
Concen: 2.092 ng
RT: 6.98 min Scan# 832
Delta R.T. 0.02 min
Lab File: BF117119.D
Acq: 17 Sep 2019 20:50

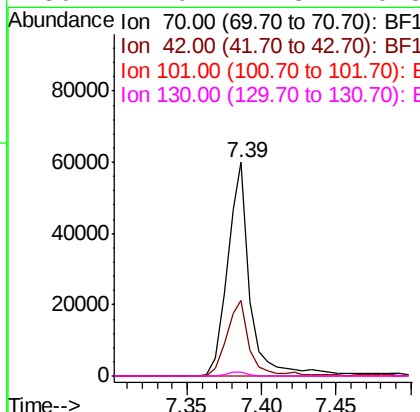
Instrument :
BNA_F
ClientSampleId :

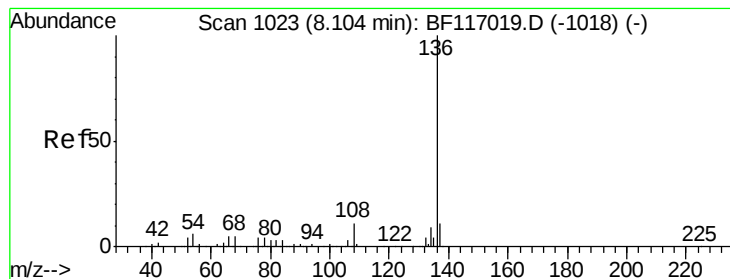
Tot Ion: 79 Resp: 8234
Ion Ratio Lower Upper
79 100
108 26.1 59.4 89.0#
77 98.5 50.2 75.2#



#19
n-Nitroso-di-n-propylamine
Concen: 20.323 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117119.D
Acq: 17 Sep 2019 20:50

Tgt Ion: 70 Resp: 63517
Ion Ratio Lower Upper
70 100
42 35.3 34.0 51.0
101 0.0 7.8 11.6#
130 2.0 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: BF117119.D

Acq: 17 Sep 2019 20:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 239022

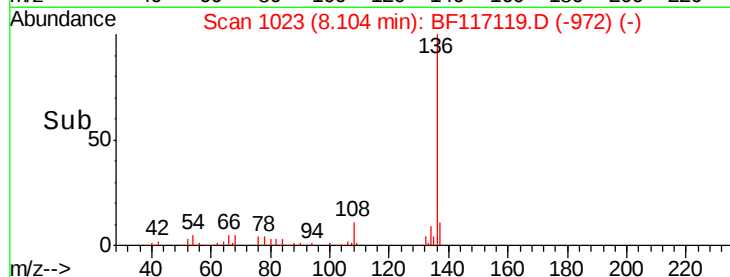
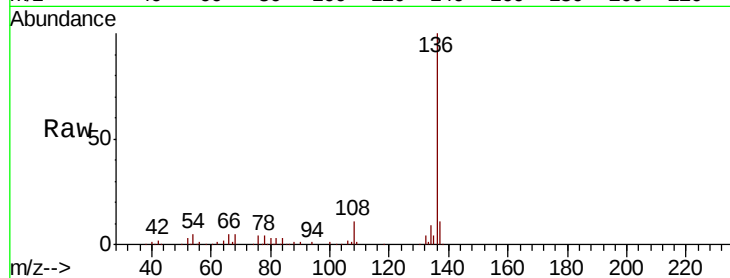
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 5.1 4.5 6.7

68 4.6 4.0 6.0

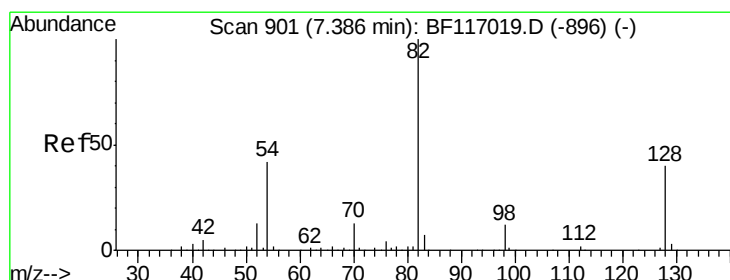
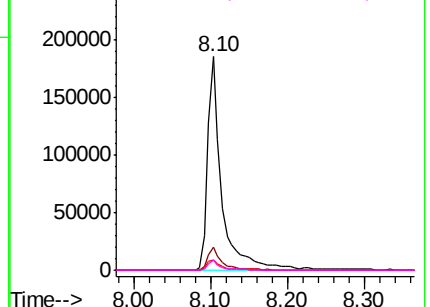


Abundance Ion 136.00 (135.70 to 136.70): E

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: 109.421 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BF117119.D

Acq: 17 Sep 2019 20:50

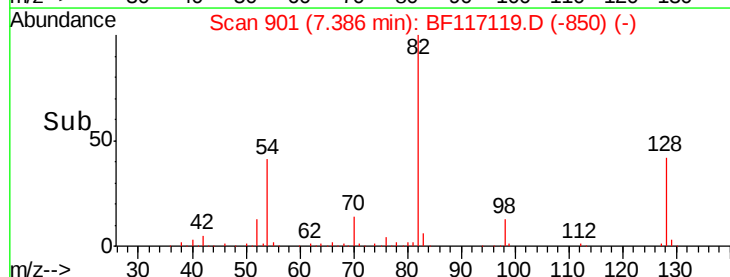
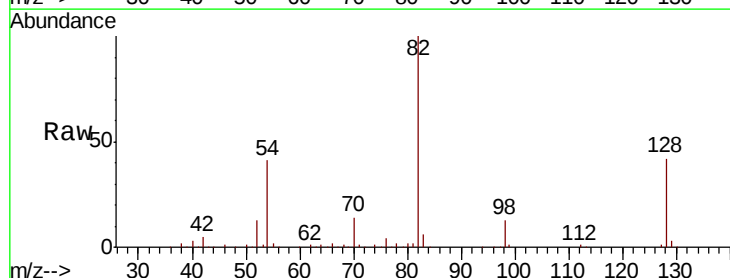
Tgt Ion: 82 Resp: 497769

Ion Ratio Lower Upper

82 100

128 42.1 32.3 48.5

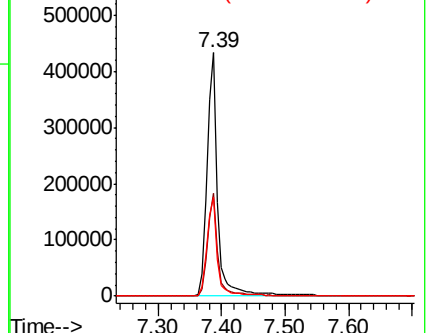
54 40.8 33.3 49.9

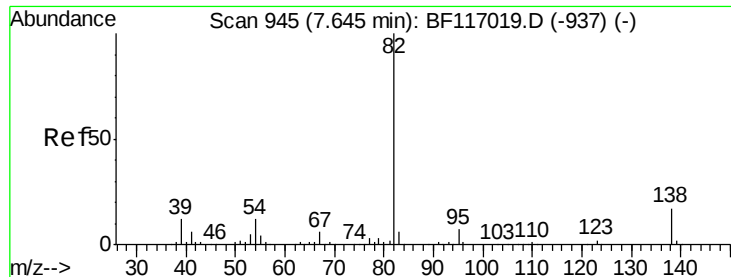


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 61.799 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF117119.D

Acq: 17 Sep 2019 20:50

Instrument :

BNA_F

ClientSampled :

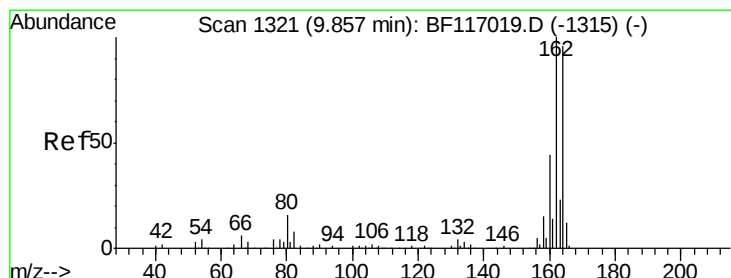
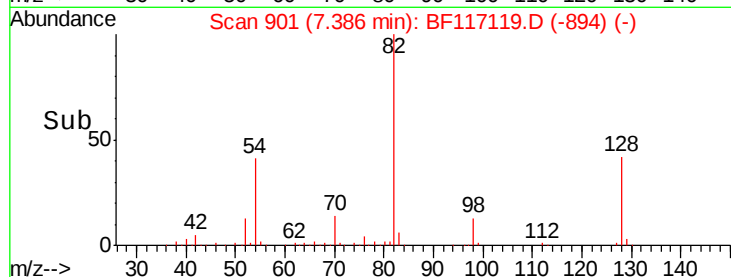
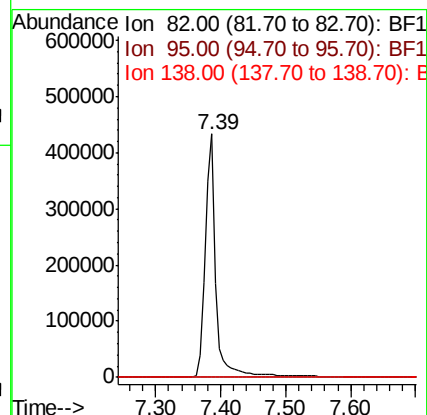
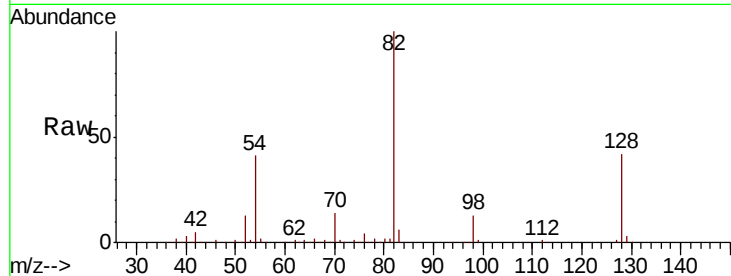
Tot Ion: 82 Resp: 497766

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: BF117119.D

Acq: 17 Sep 2019 20:50

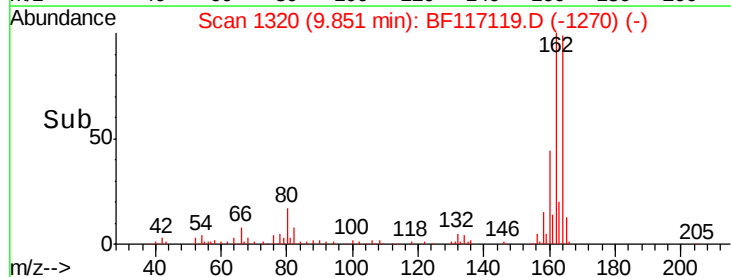
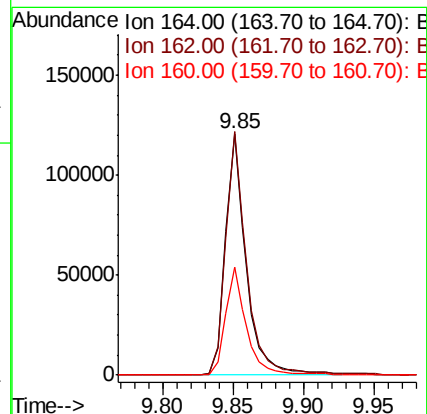
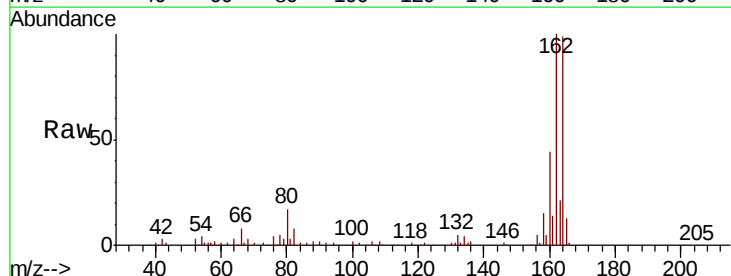
Tgt Ion: 164 Resp: 123465

Ion Ratio Lower Upper

164 100

162 100.8 83.4 125.2

160 44.6 36.4 54.6

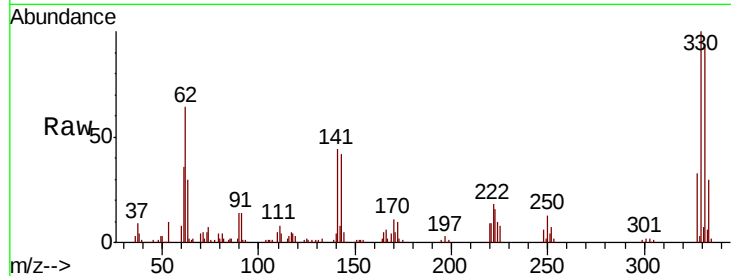




#42
 2,4,6-Tribromophenol
 Concen: 174.199 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117119.D
 Acq: 17 Sep 2019 20:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	78.0	117.0
141	43.9	35.8	53.6

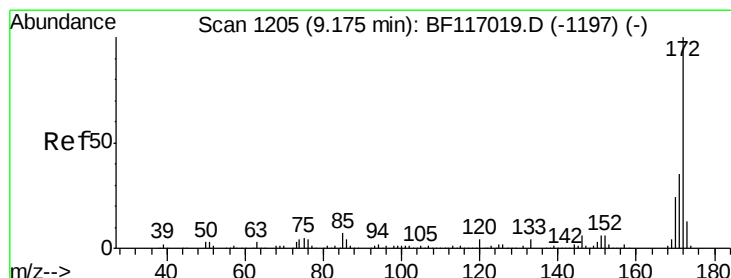
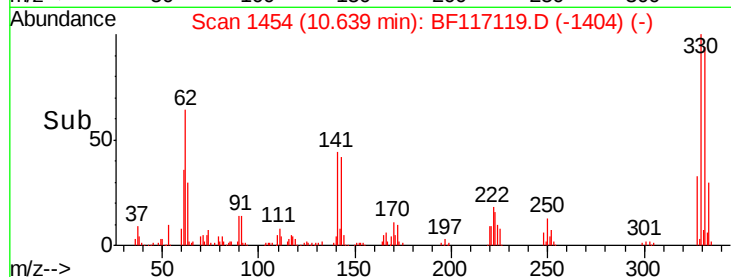
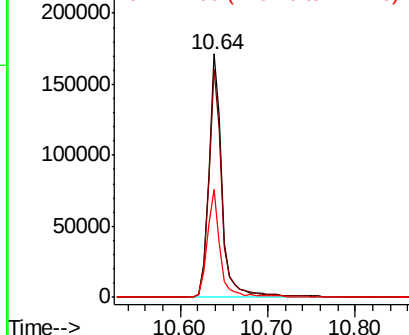


Abundance

Ion 329.80 (329.50 to 330.50): E

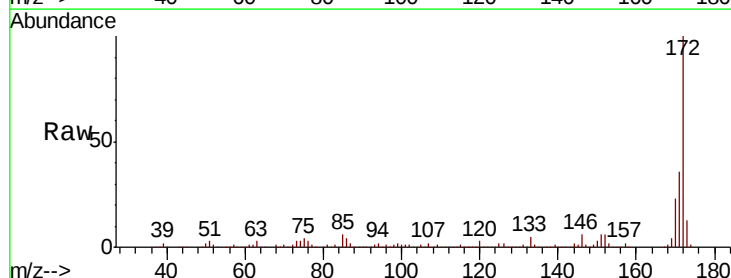
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 115.162 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117119.D
 Acq: 17 Sep 2019 20:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.2
170	23.2	18.9	28.3

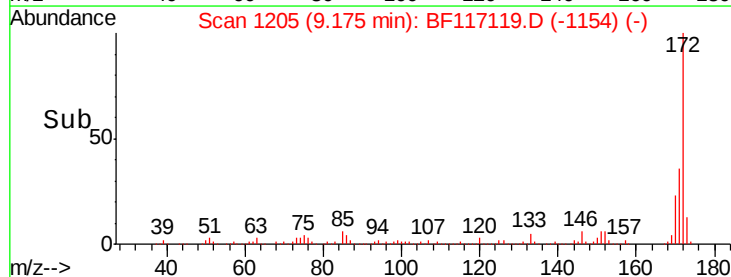
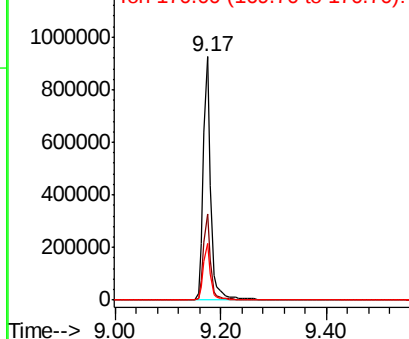


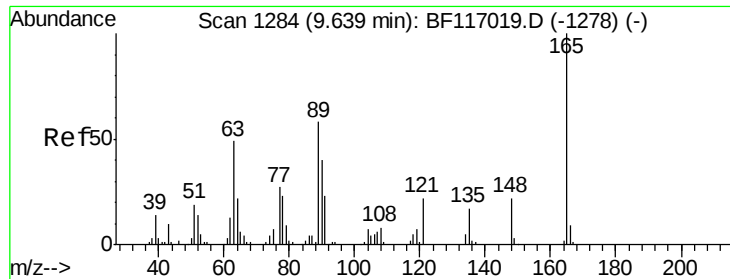
Abundance

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

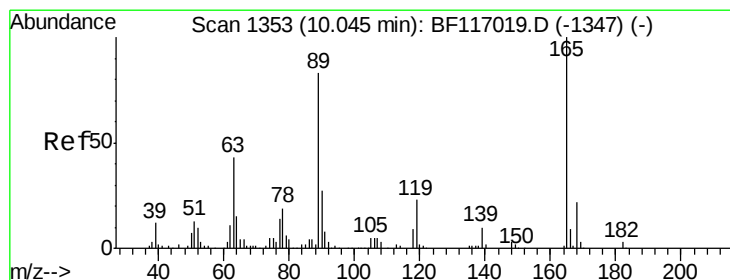
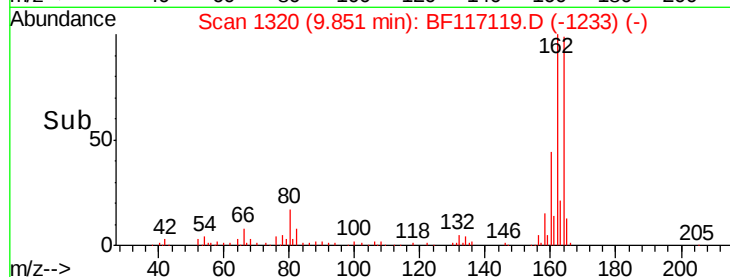
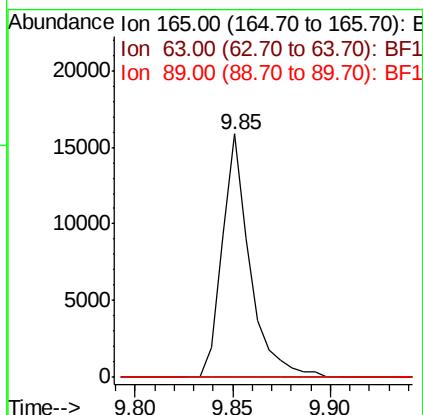
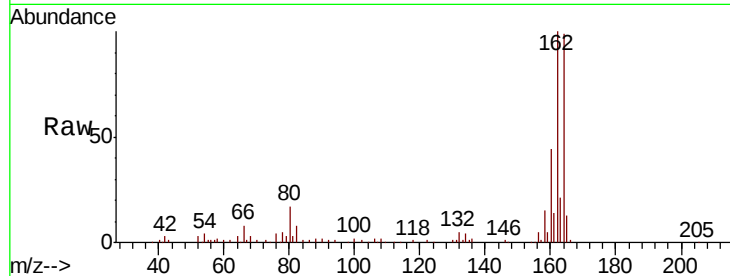




#51
 2,6-Dinitrotoluene
 Concen: 8.727 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117119.D
 Acq: 17 Sep 2019 20:50

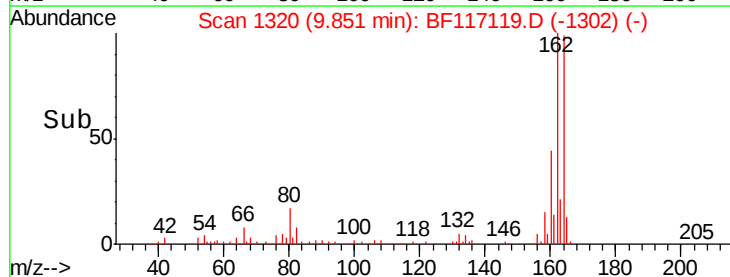
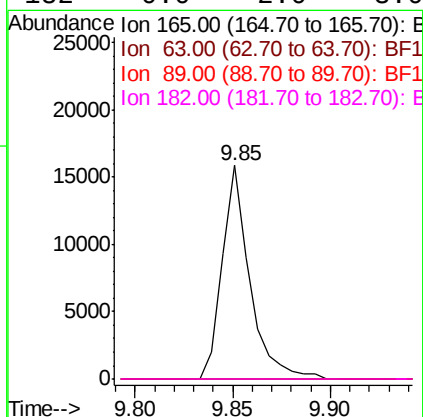
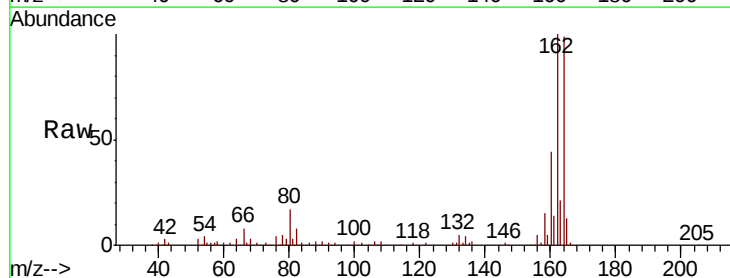
Instrument :
 BNA_F
 ClientSampleId :

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



#57
 2,4-Dinitrotoluene
 Concen: 6.723 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117119.D
 Acq: 17 Sep 2019 20:50

Tgt 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#

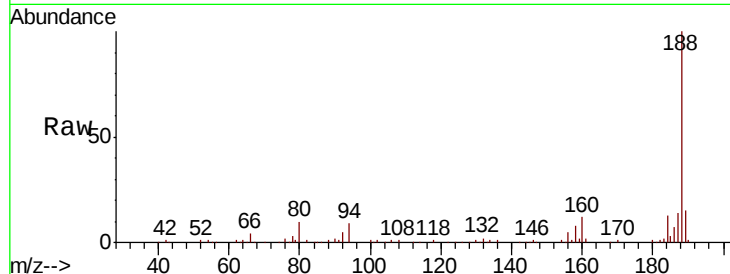




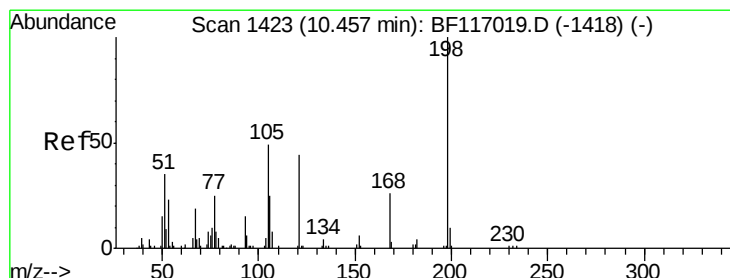
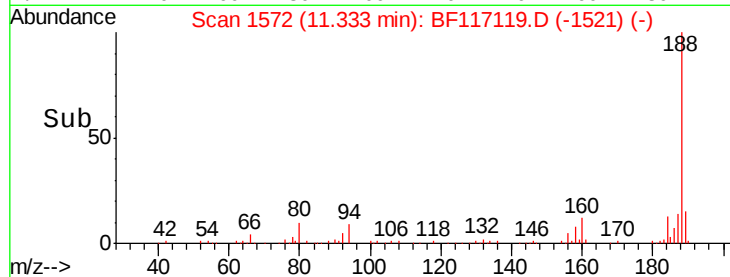
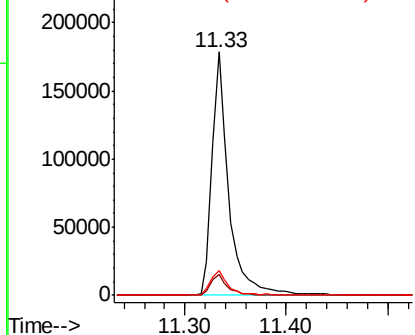
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117119.D
 Acq: 17 Sep 2019 20:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.2	12.2
80	10.2	9.0	13.6

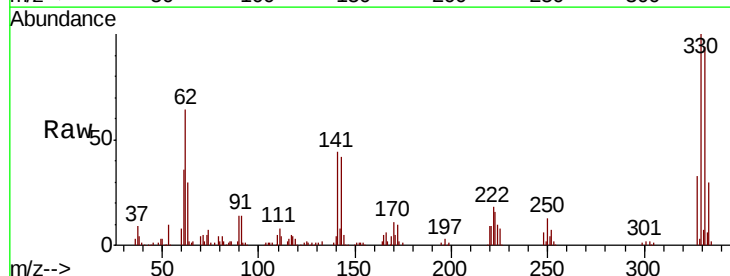


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

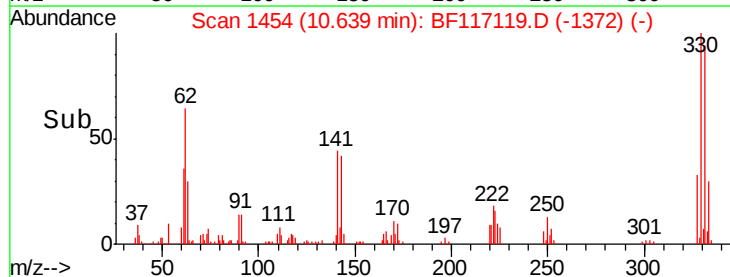
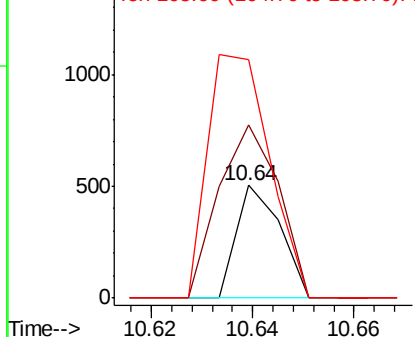


#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.177 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF117119.D
 Acq: 17 Sep 2019 20:50

Tgt Ion	Ratio	Lower	Upper
198	100		
51	153.4	18.7	58.7#
105	211.5	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

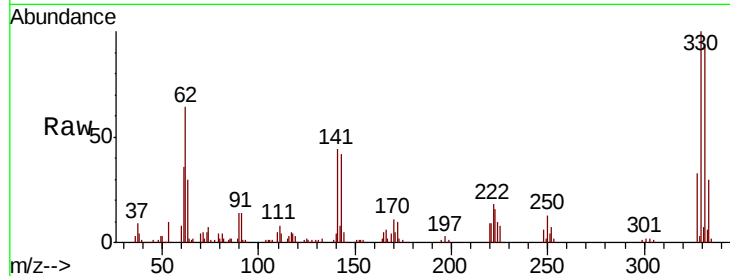




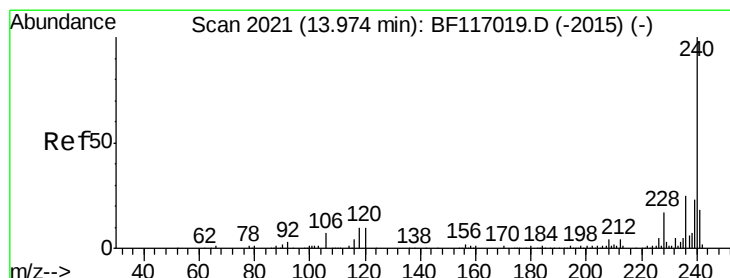
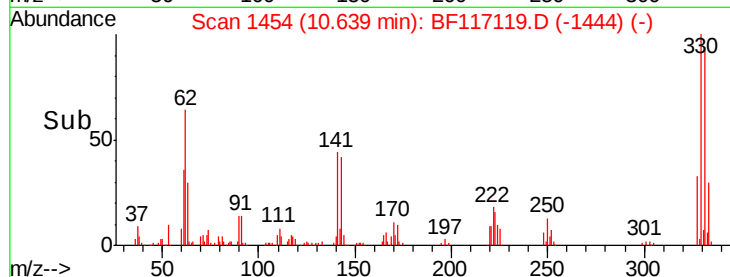
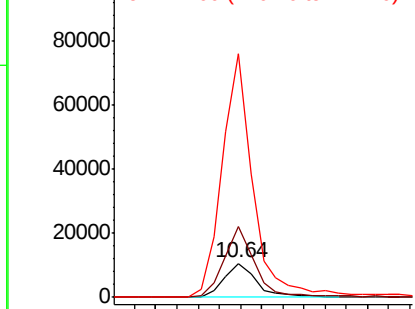
#67
4-Bromophenyl-phenylether
Concen: 5.280 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117119.D
Acq: 17 Sep 2019 20:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 11148
Ion Ratio Lower Upper
248 100
250 208.5 76.2 114.4#
141 713.9 75.0 112.4#

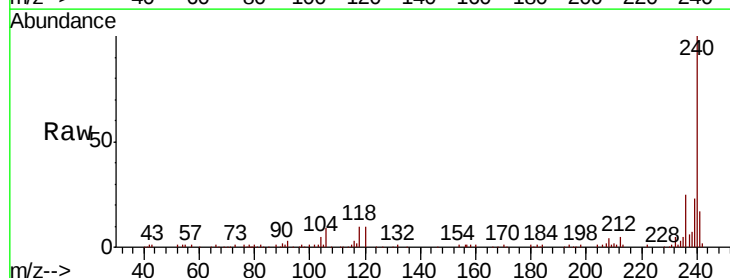


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

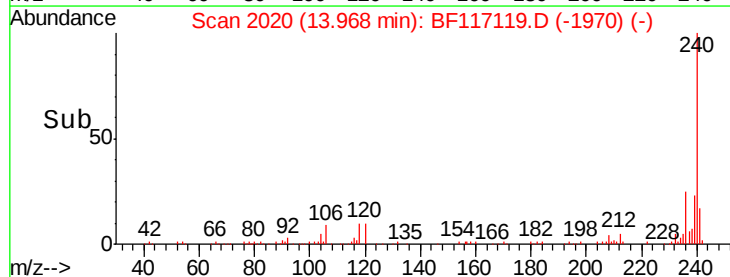
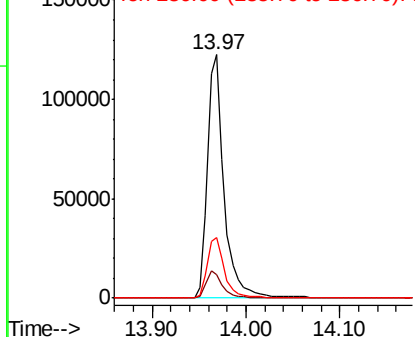


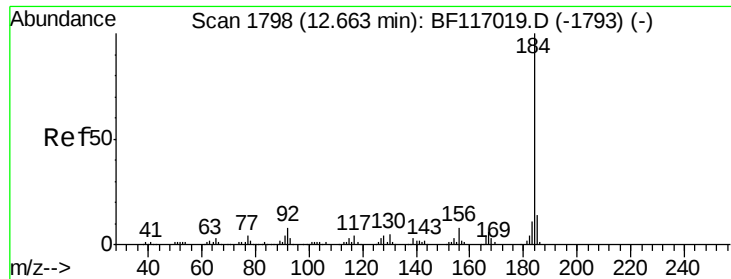
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117119.D
Acq: 17 Sep 2019 20:50

Tgt Ion:240 Resp: 152330
Ion Ratio Lower Upper
240 100
120 9.9 8.3 12.5
236 25.0 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: 2.829 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF117119.D

Acq: 17 Sep 2019 20:50

Instrument :

BNA_F

ClientSampleId :

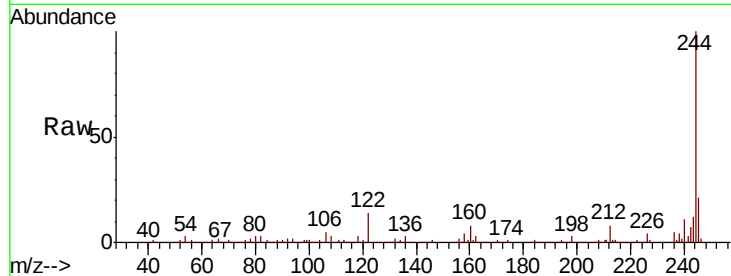
Tot Ion:184 Resp: 13881

Ion Ratio Lower Upper

184 100

185 18.3 11.6 17.4#

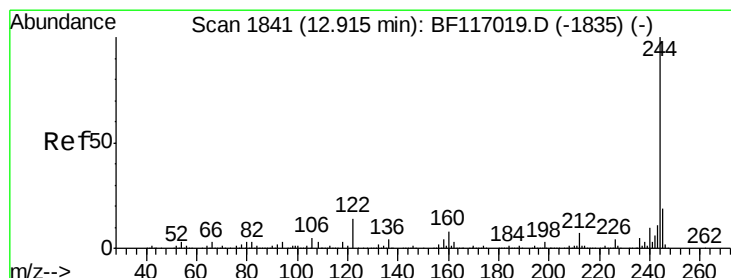
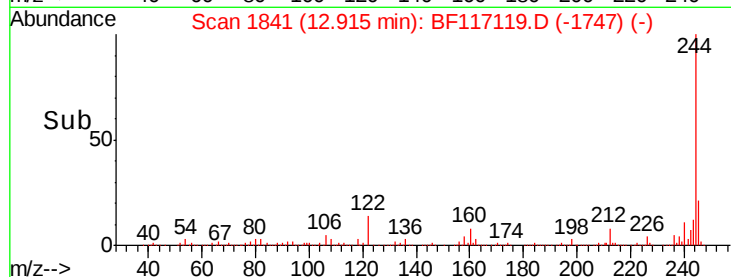
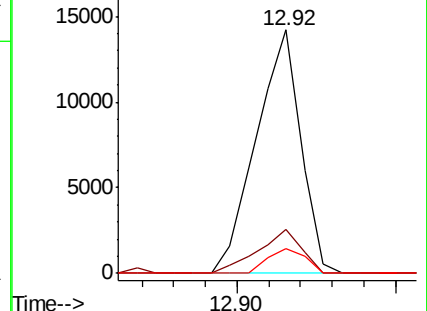
183 10.2 9.0 13.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 116.563 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117119.D

Acq: 17 Sep 2019 20:50

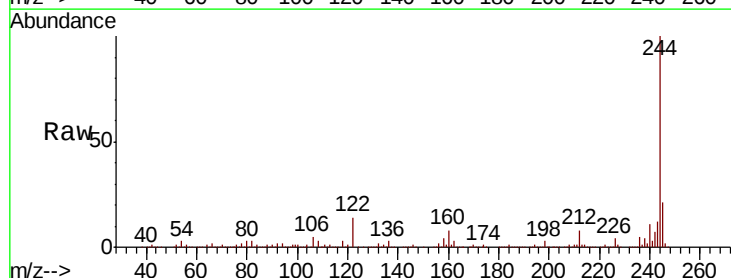
Tgt Ion:244 Resp: 949919

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

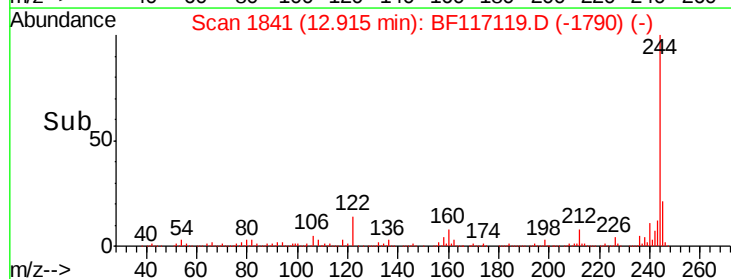
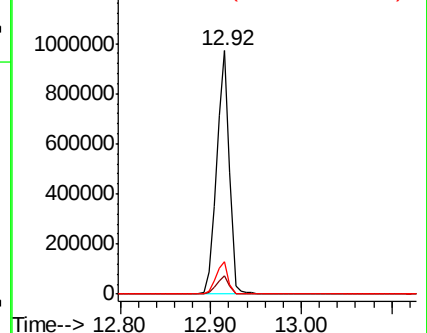
122 13.6 11.3 16.9

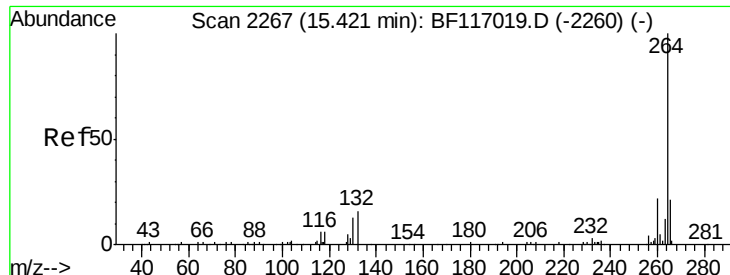


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

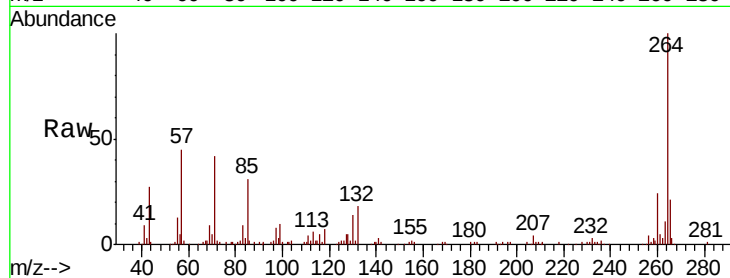




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF117119.D
Acq: 17 Sep 2019 20:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.6	26.4
265	20.7	16.6	24.8



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

