

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117128.D
 Acq On : 18 Sep 2019 00:50
 Operator : HP/JU
 Sample : K4871-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 18 05:26:03 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	59267	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	240334	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	123763	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	202777	20.00	ng	0.00
76) Chrysene-d12	13.96	240	147777	20.00	ng	-0.01
87) Perylene-d12	15.41	264	130885	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	196666	51.81	ng	0.00
7) Phenol-d6	6.46	99	171066	34.87	ng	0.00
23) Nitrobenzene-d5	7.38	82	392282	85.76	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	138849	134.23	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	692942	87.54	ng	0.00
79) Terphenyl-d14	12.92	244	691834	87.51	ng	0.00

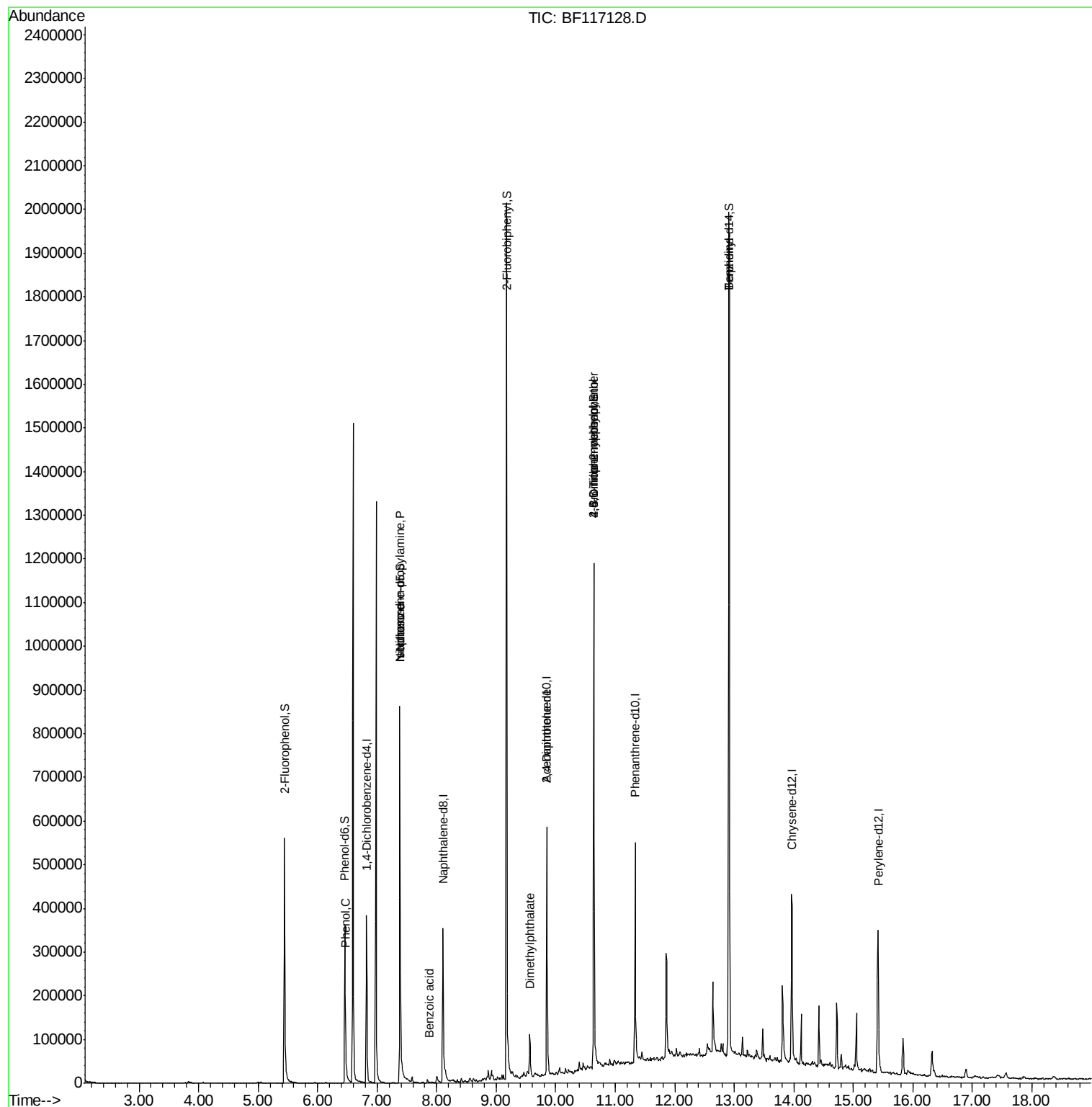
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.59	77	9794	Below Cal		# 78
10) Phenol	6.47	94	20912	3.867	ng	98
19) n-Nitroso-di-n-propylamine	7.38	70	50713	16.976	ng	# 78
25) Isophorone	7.38	82	392280	48.437	ng	# 66
32) Benzoic acid	7.88	122	634	6.829	ng	# 70
50) Dimethylphthalate	9.56	163	45303	5.170	ng	99
57) 2,4-Dinitrotoluene	9.85	165	15790	6.816	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.64	198	124	7.017	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	8845	4.271	ng	# 1
69) Atrazine	11.20	200	112	Below Cal		# 38
77) Benzydine	12.91	184	10748	2.258	ng	# 92

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

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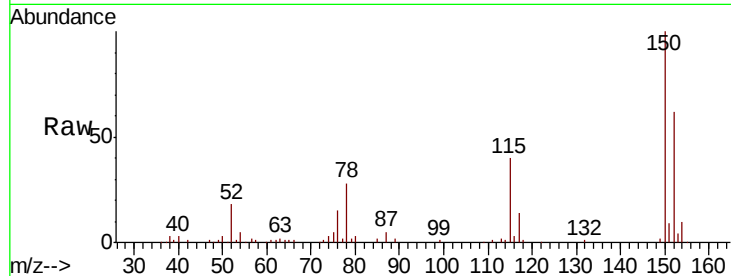


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117128.D
Acq: 18 Sep 2019 00:50

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.5	127.5	191.3
115	65.0	55.0	82.4

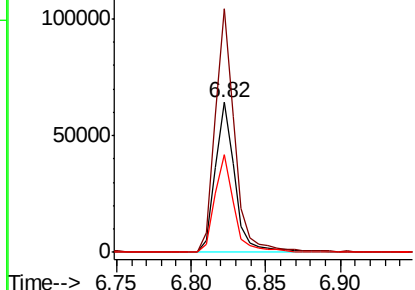
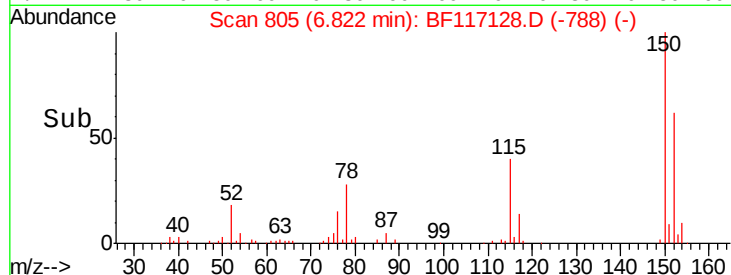


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

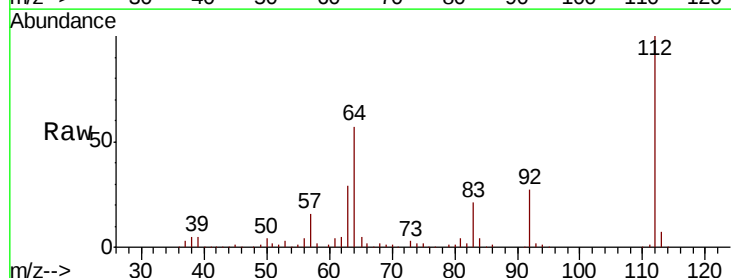
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.807 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF117128.D
Acq: 18 Sep 2019 00:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	45.7	68.5
63	29.3	24.9	37.3

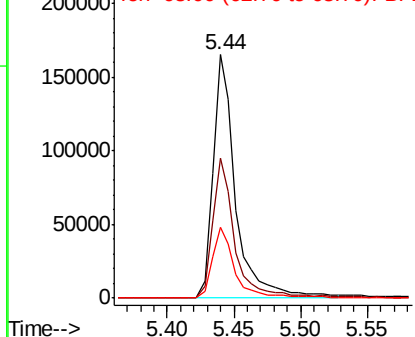
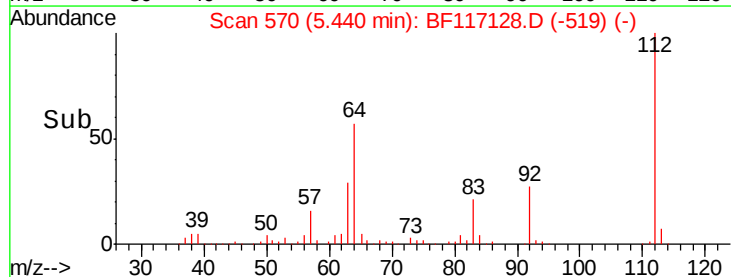


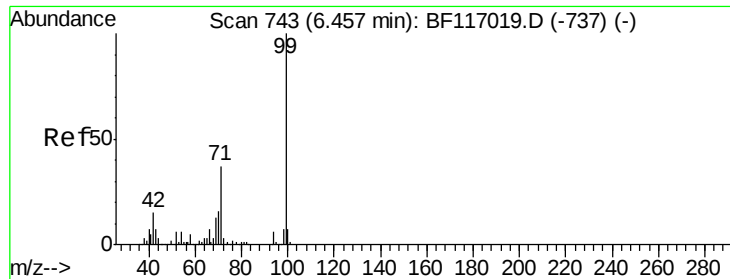
Abundance

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: 34.869 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117128.D

Acq: 18 Sep 2019 00:50

Instrument :

BNA_F

ClientSampleId :

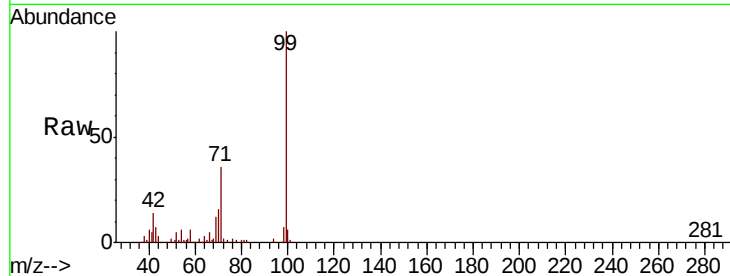
Tot Ion: 99 Resp: 171066

Ion Ratio Lower Upper

99 100

42 13.9 12.2 18.2

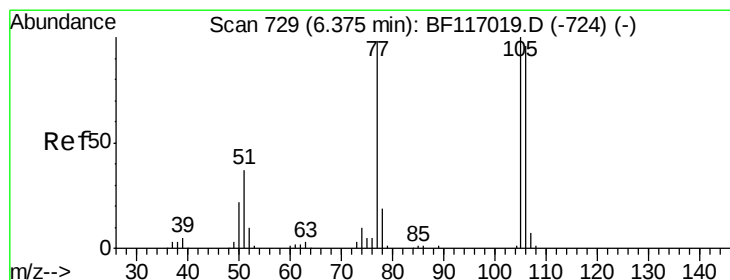
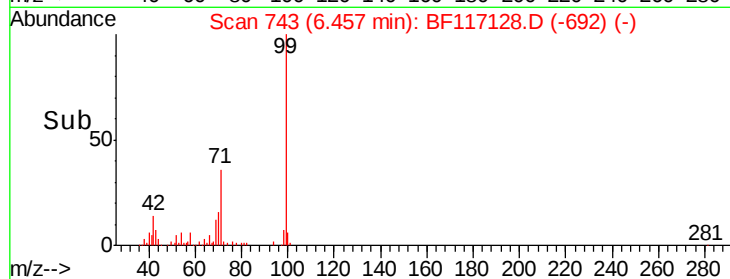
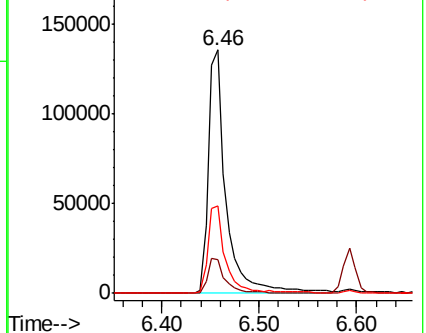
71 36.2 29.8 44.8



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: BF117128.D

Acq: 18 Sep 2019 00:50

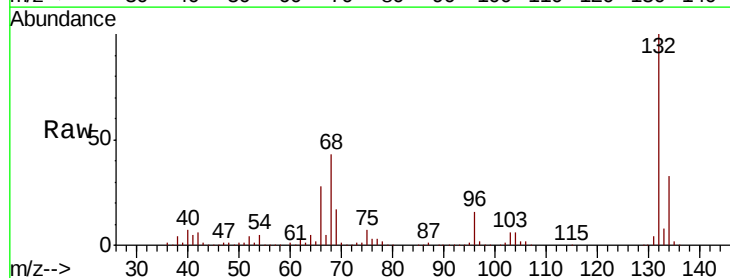
Tgt Ion: 77 Resp: 9794

Ion Ratio Lower Upper

77 100

105 82.8 81.8 121.8

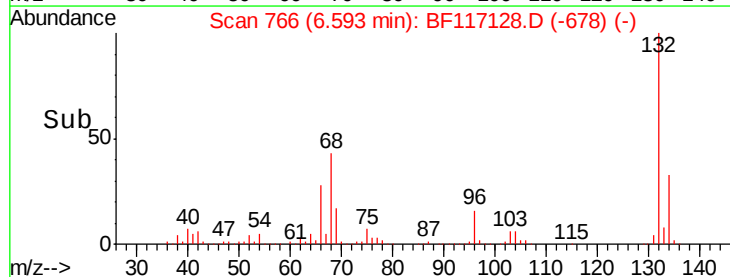
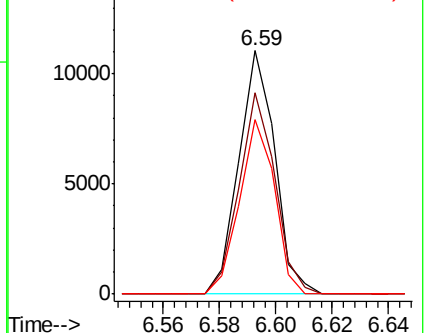
106 71.8 77.3 117.3#

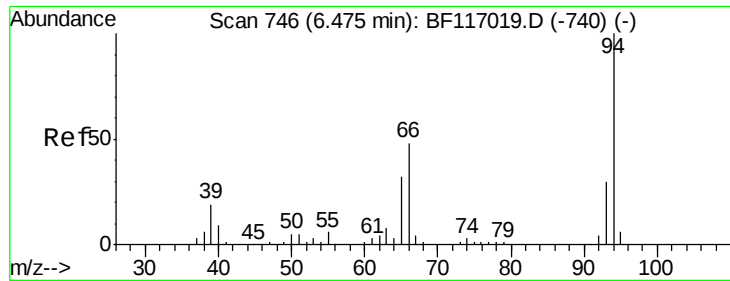


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

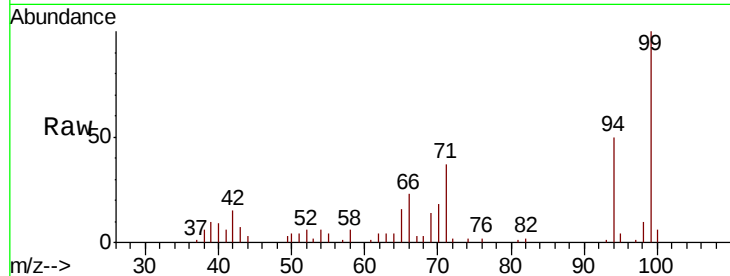




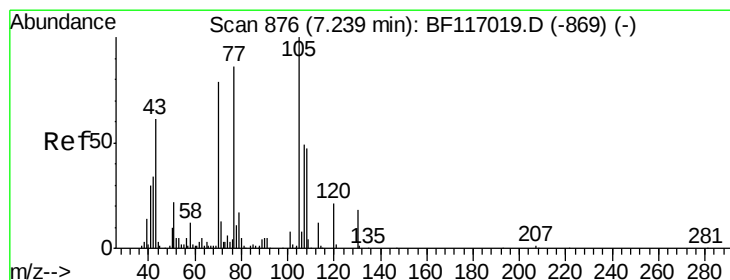
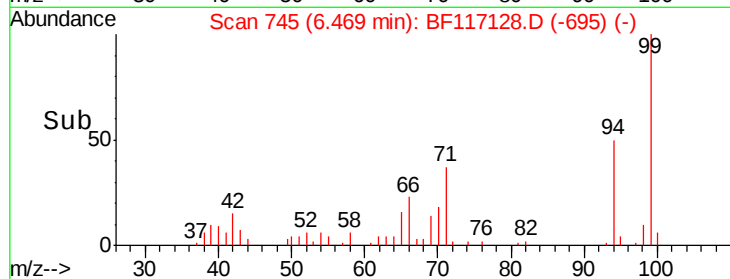
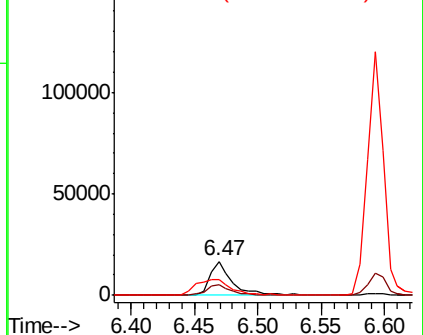
#10
Phenol
Concen: 3.867 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF117128.D
Acq: 18 Sep 2019 00:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 94 Resp: 20912
Ion Ratio Lower Upper
94 100
65 31.9 12.5 52.5
66 46.8 28.9 68.9



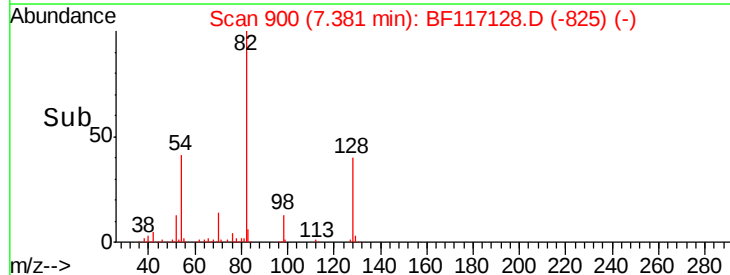
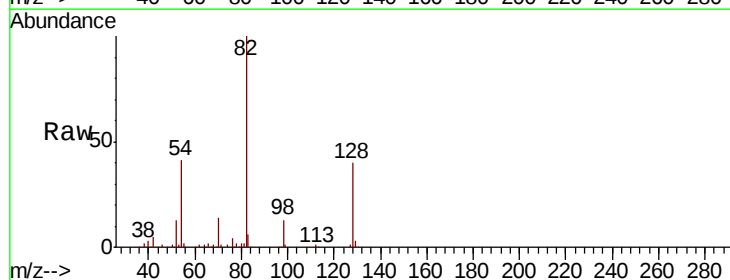
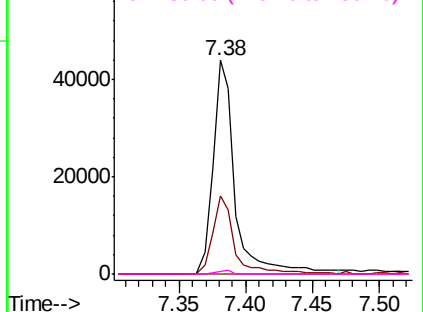
Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

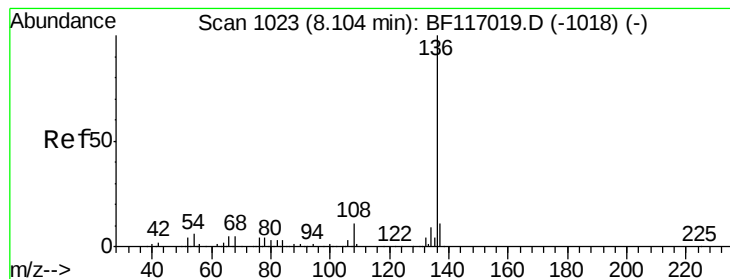


#19
n-Nitroso-di-n-propylamine
Concen: 16.976 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.14 min
Lab File: BF117128.D
Acq: 18 Sep 2019 00:50

Tgt Ion: 70 Resp: 50713
Ion Ratio Lower Upper
70 100
42 36.7 34.0 51.0
101 0.0 7.8 11.6#
130 1.5 17.8 26.8#

Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF117128.D

Acq: 18 Sep 2019 00:50

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 240334

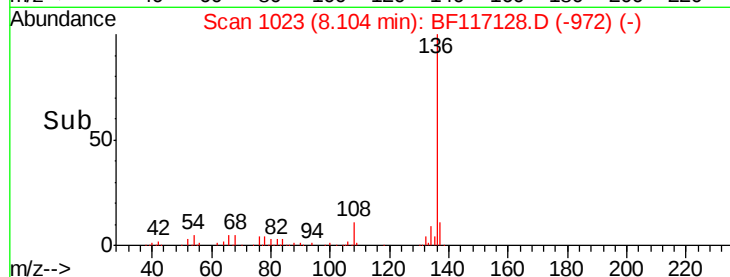
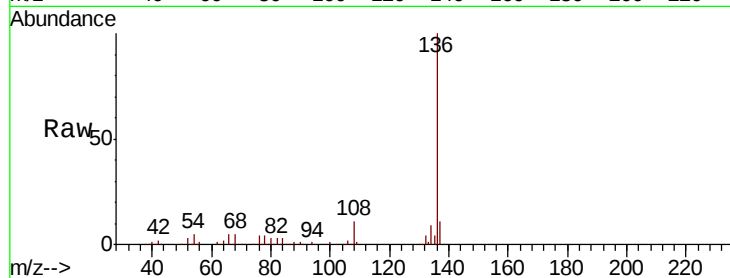
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 4.8 4.5 6.7

68 4.5 4.0 6.0

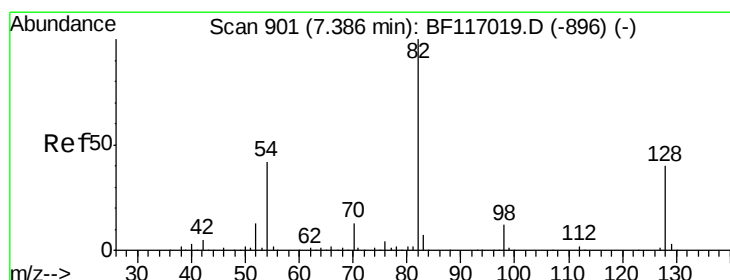
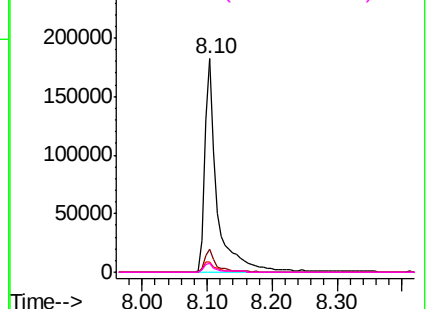


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.762 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF117128.D

Acq: 18 Sep 2019 00:50

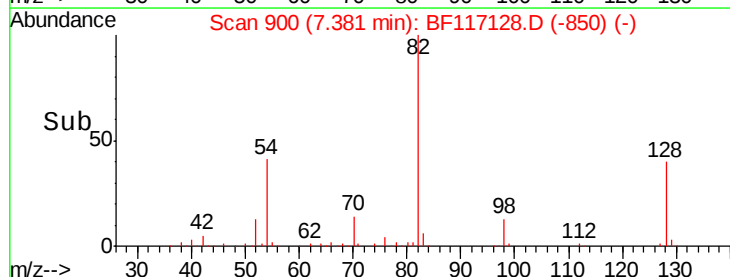
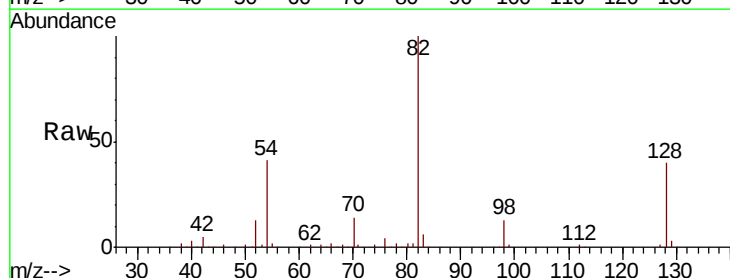
Tgt Ion: 82 Resp: 392282

Ion Ratio Lower Upper

82 100

128 40.1 32.3 48.5

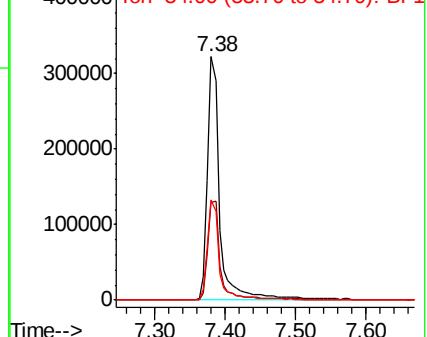
54 41.4 33.3 49.9

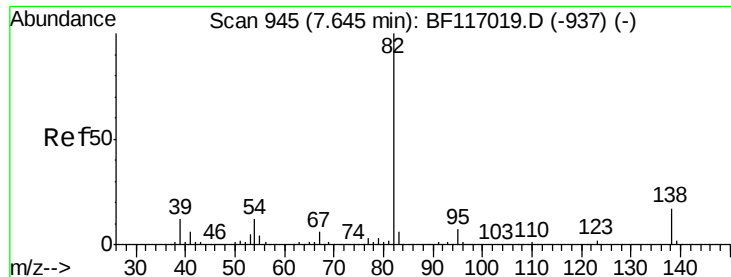


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.437 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF117128.D

Acq: 18 Sep 2019 00:50

Instrument :

BNA_F

ClientSampleId :

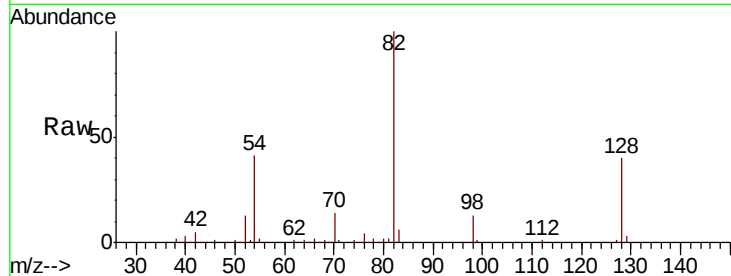
Tot Ion: 82 Resp: 392280

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

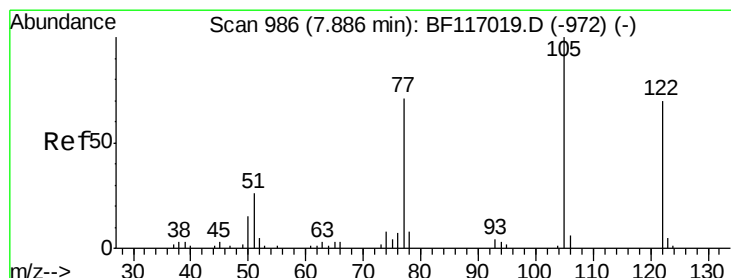
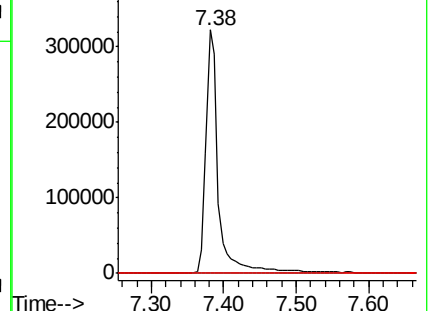
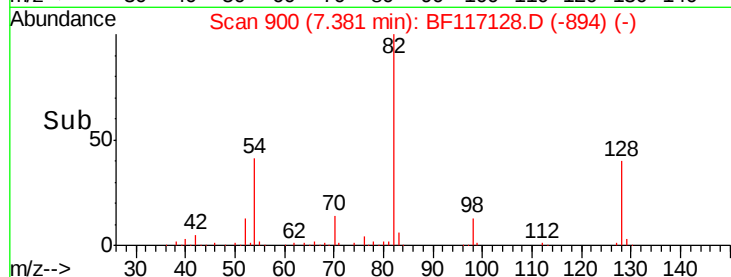
138 0.0 13.5 20.3#



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



#32

Benzoic acid

Concen: 6.829 ng

RT: 7.88 min Scan# 985

Delta R.T. -0.01 min

Lab File: BF117128.D

Acq: 18 Sep 2019 00:50

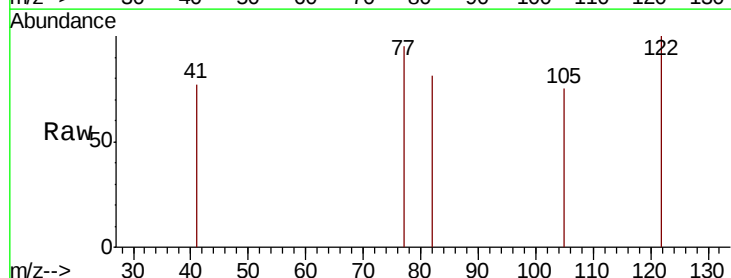
Tgt Ion: 122 Resp: 634

Ion Ratio Lower Upper

122 100

105 75.4 114.8 154.8#

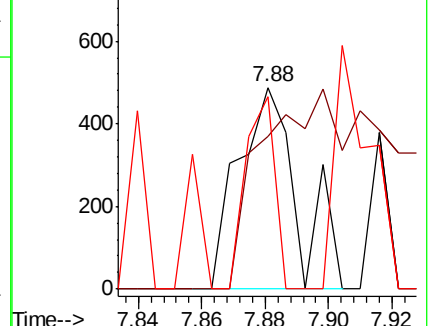
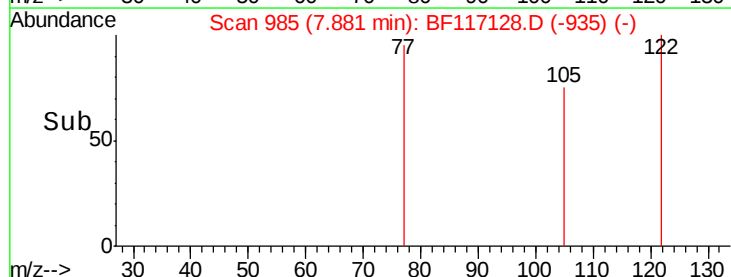
77 95.5 78.7 118.7

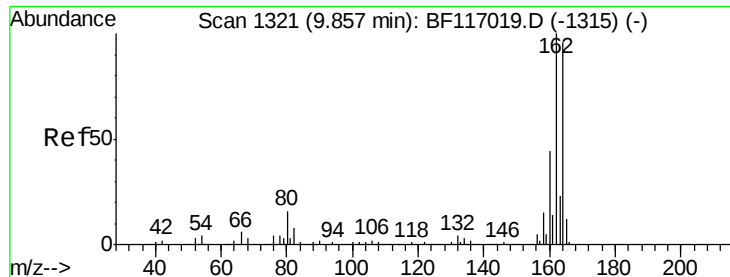


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

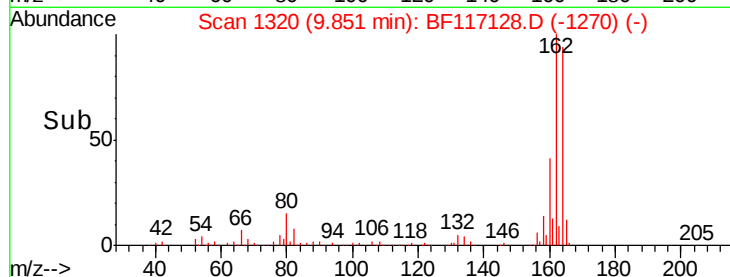
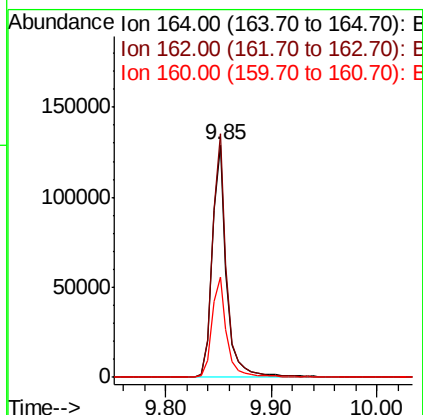
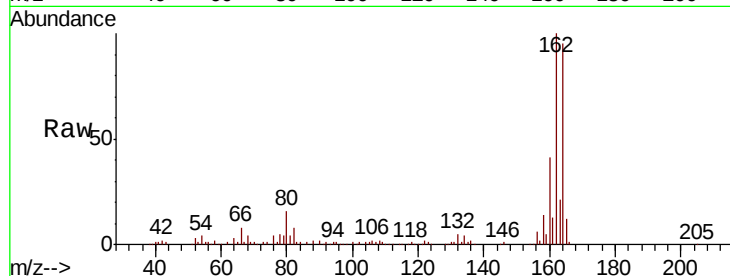




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF117128.D
 Acq: 18 Sep 2019 00:50

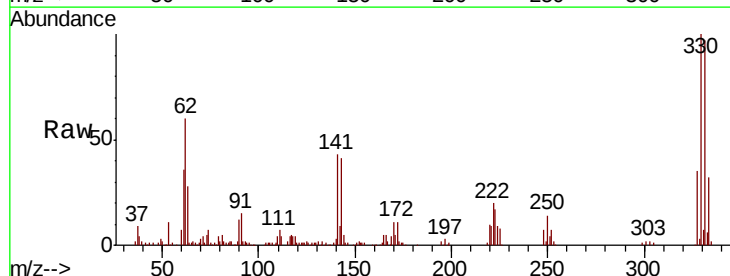
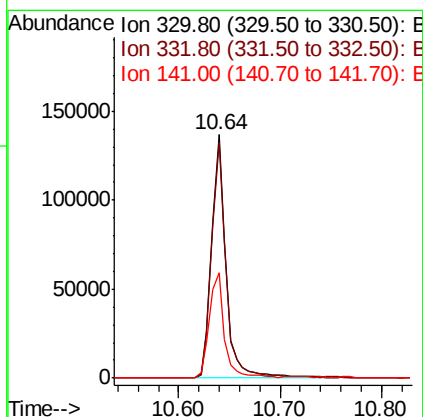
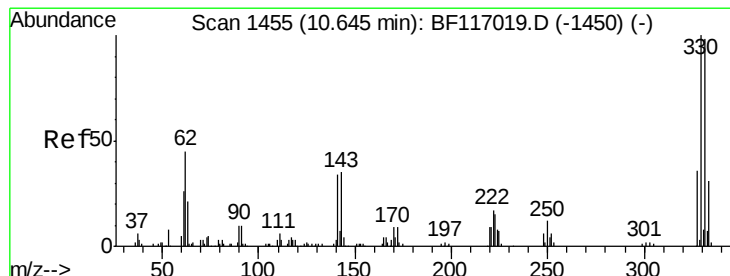
Instrument :
 BNA_F
 ClientSampleId :

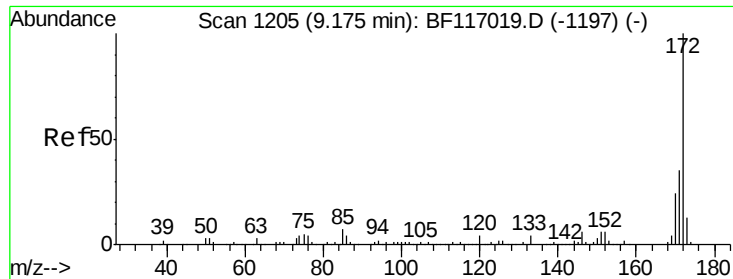
Tot Ion	Ratio	Lower	Upper
164	100		
162	104.7	83.4	125.2
160	43.2	36.4	54.6



#42
 2,4,6-Tribromophenol
 Concen: 134.235 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117128.D
 Acq: 18 Sep 2019 00:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.0	117.0
141	44.8	35.8	53.6

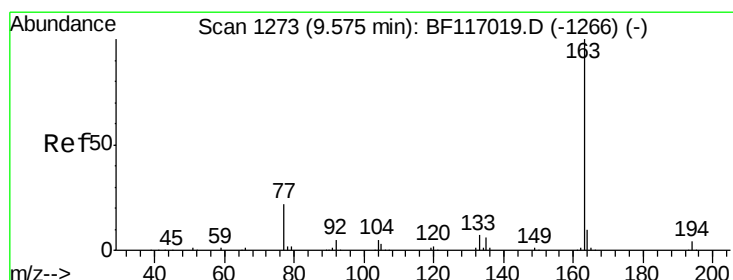
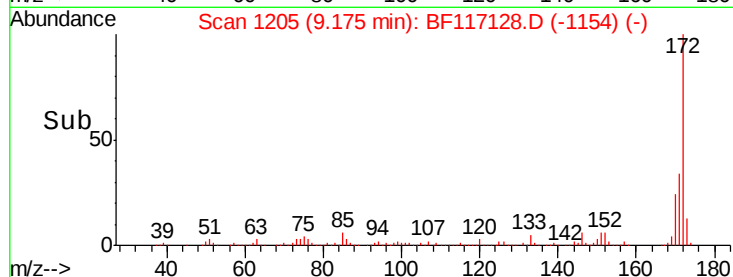
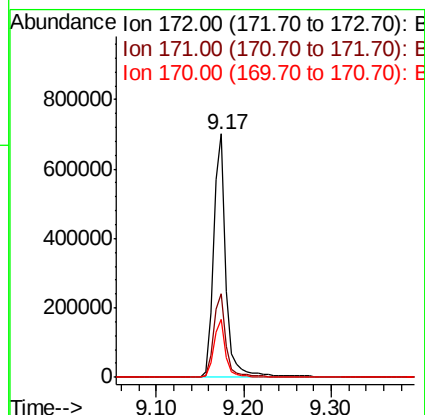
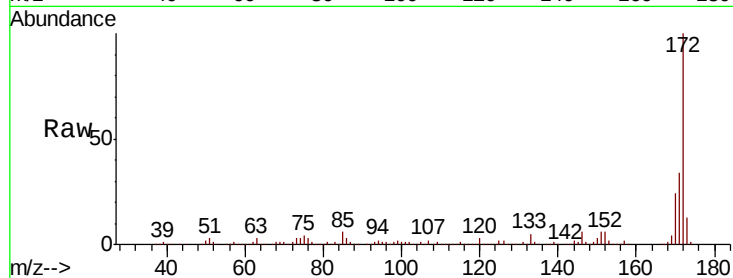




#45
2-Fluorobiphenyl
Concen: 87.544 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117128.D
Acq: 18 Sep 2019 00:50

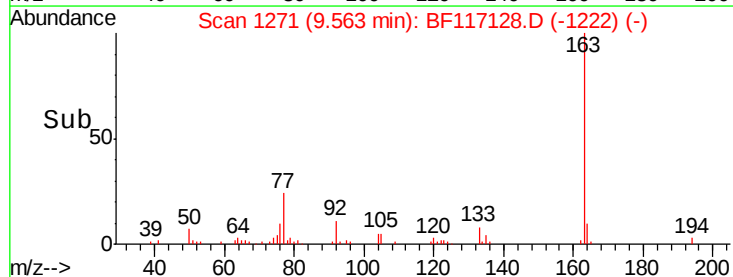
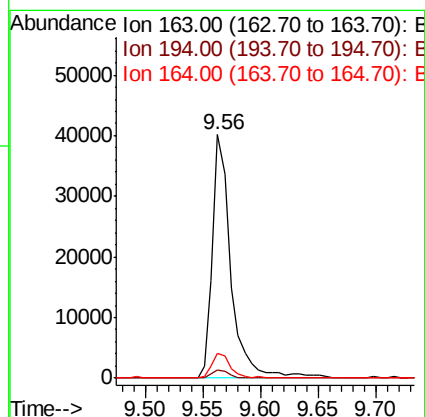
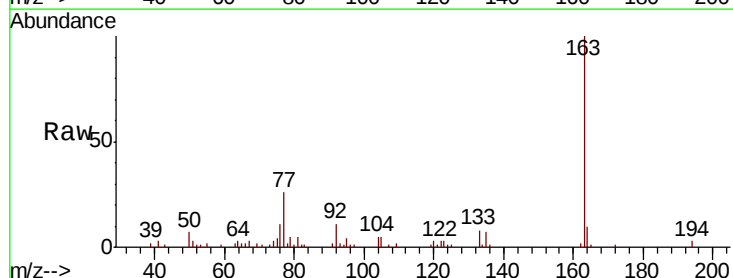
Instrument :
BNA_F
ClientSampleId :

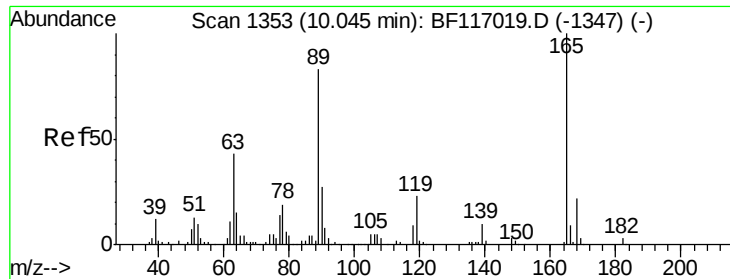
Tot Ion:172 Resp: 692942
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.2
170 23.6 18.9 28.3



#50
Dimethylphthalate
Concen: 5.170 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117128.D
Acq: 18 Sep 2019 00:50

Tgt Ion:163 Resp: 45303
Ion Ratio Lower Upper
163 100
194 3.5 2.9 4.3
164 10.0 8.2 12.4





#57

2,4-Dinitrotoluene

Concen: 6.816 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF117128.D

Acq: 18 Sep 2019 00:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 15790

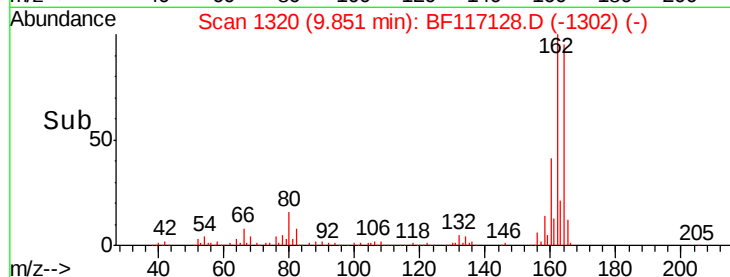
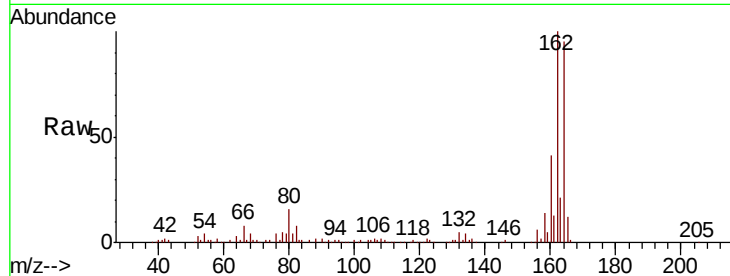
Ion Ratio Lower Upper

165 100

63 0.0 35.0 52.4#

89 0.0 66.1 99.1#

182 0.0 2.0 3.0#

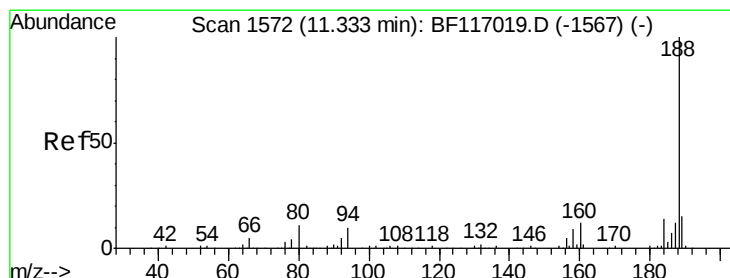
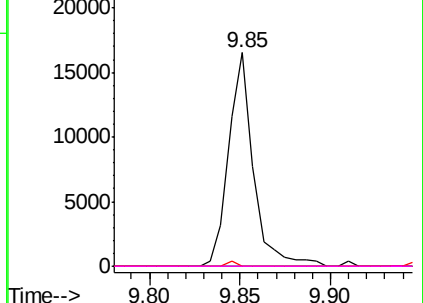


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF117128.D

Acq: 18 Sep 2019 00:50

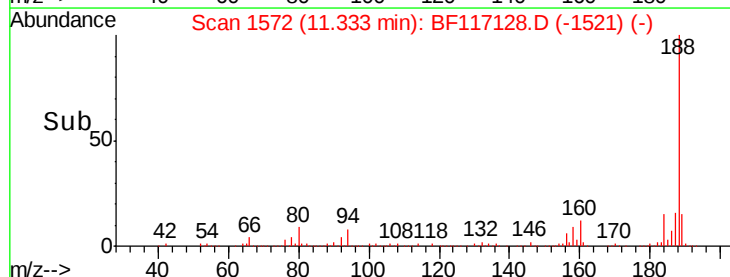
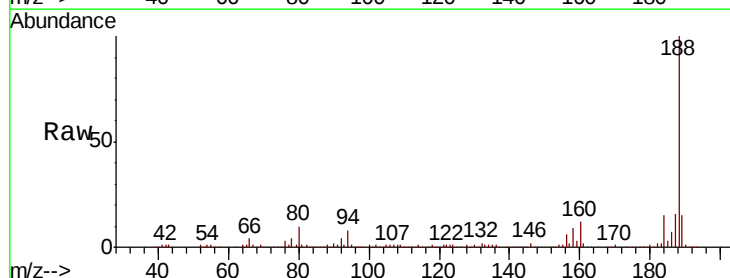
Tgt Ion:188 Resp: 202777

Ion Ratio Lower Upper

188 100

94 8.4 8.2 12.2

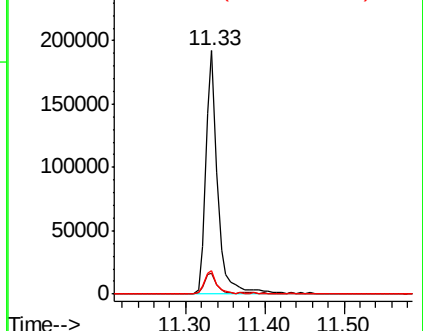
80 9.5 9.0 13.6

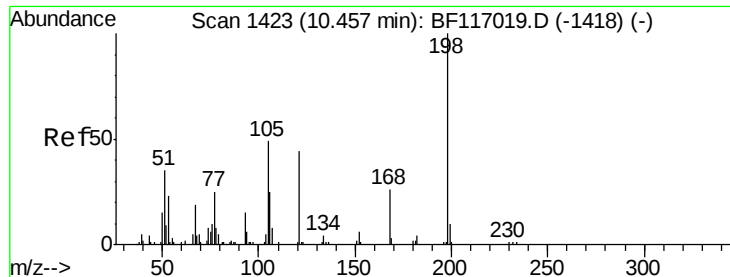


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

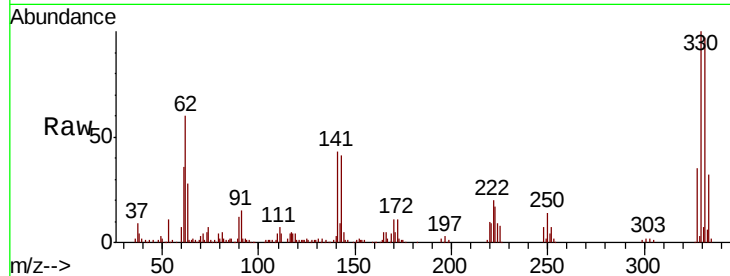




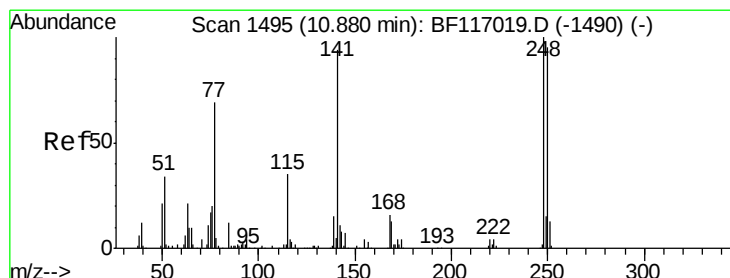
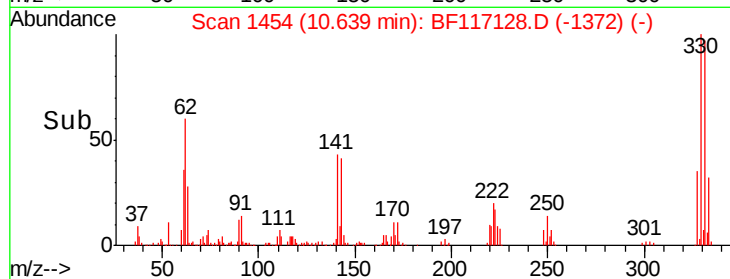
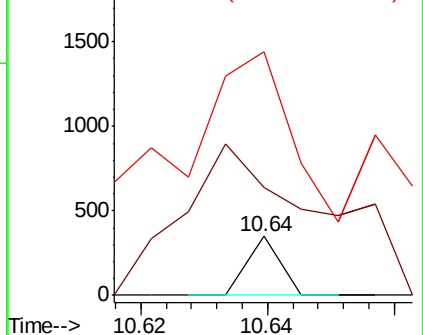
#65
4,6-Dinitro-2-methylphenol
Concen: 7.017 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF117128.D
Acq: 18 Sep 2019 00:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 124
Ion Ratio Lower Upper
198 100
51 182.6 18.7 58.7#
105 411.7 30.2 70.2#

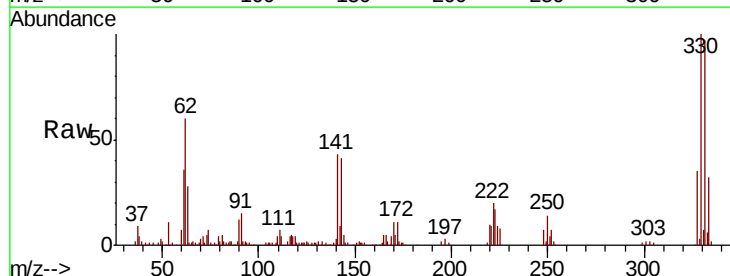


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

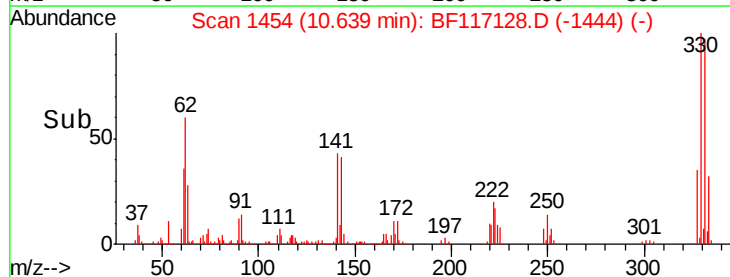
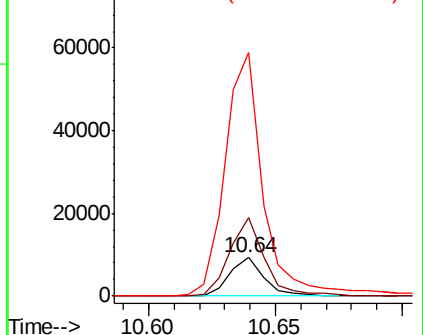


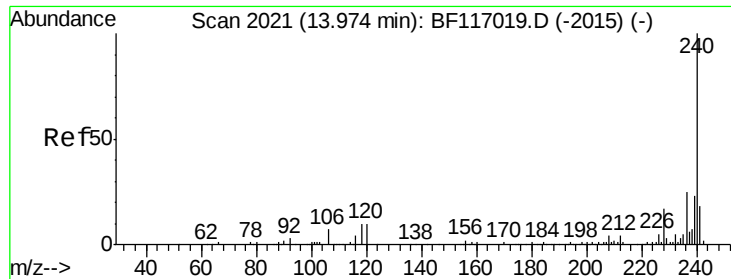
#67
4-Bromophenyl-phenylether
Concen: 4.271 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117128.D
Acq: 18 Sep 2019 00:50

Tgt Ion:248 Resp: 8845
Ion Ratio Lower Upper
248 100
250 203.9 76.2 114.4#
141 636.4 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

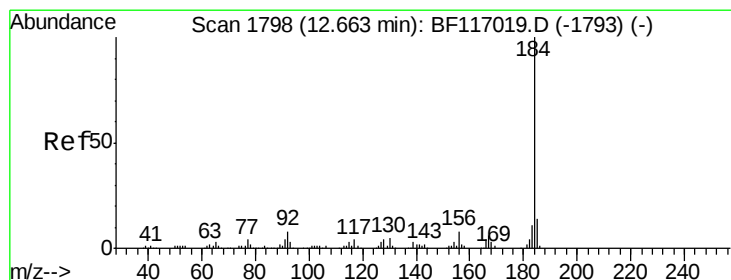
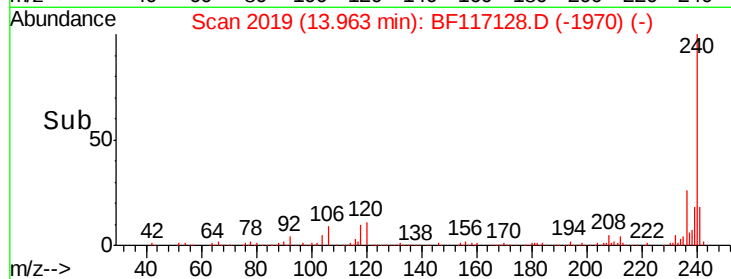
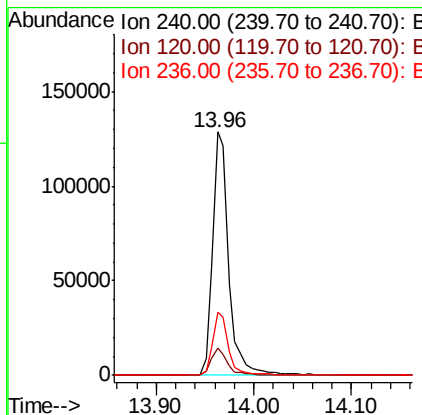
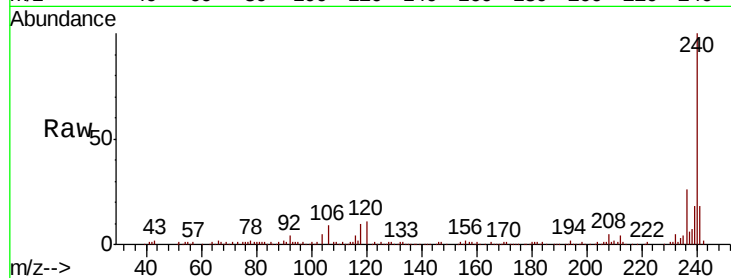




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF117128.D
 Acq: 18 Sep 2019 00:50

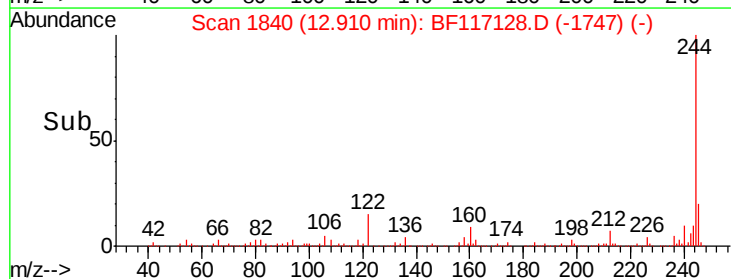
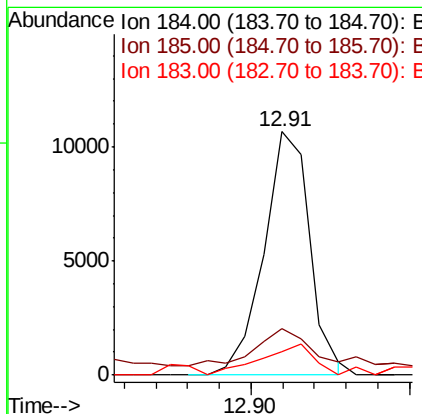
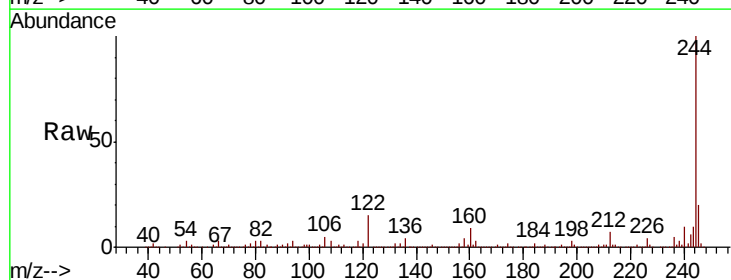
Instrument :
 BNA_F
 ClientSampleId :

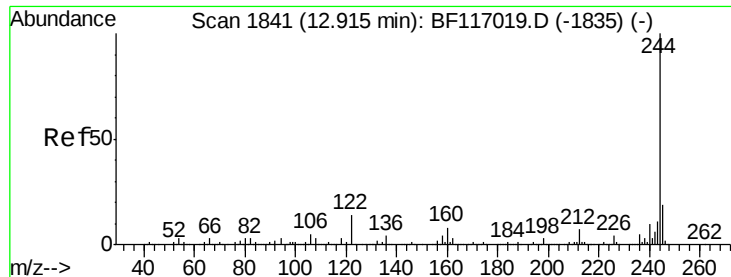
Tot Ion:240 Resp: 147777
 Ion Ratio Lower Upper
 240 100
 120 11.3 8.3 12.5
 236 25.8 20.3 30.5



#77
 Benzidine
 Concen: 2.258 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.25 min
 Lab File: BF117128.D
 Acq: 18 Sep 2019 00:50

Tgt Ion:184 Resp: 10748
 Ion Ratio Lower Upper
 184 100
 185 19.2 11.6 17.4#
 183 9.5 9.0 13.4

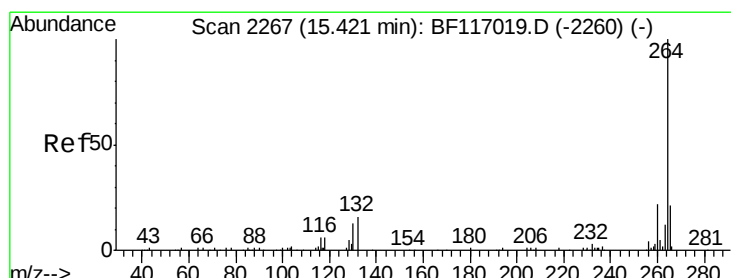
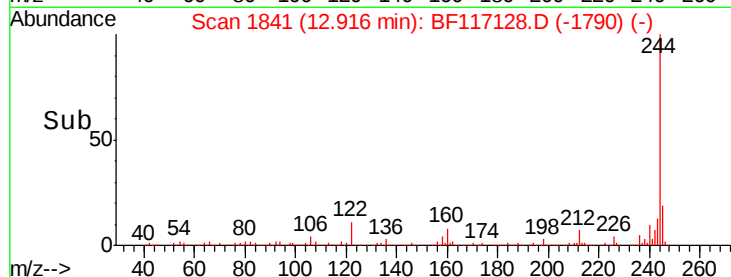
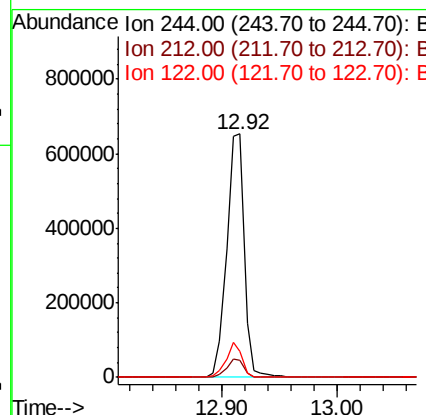
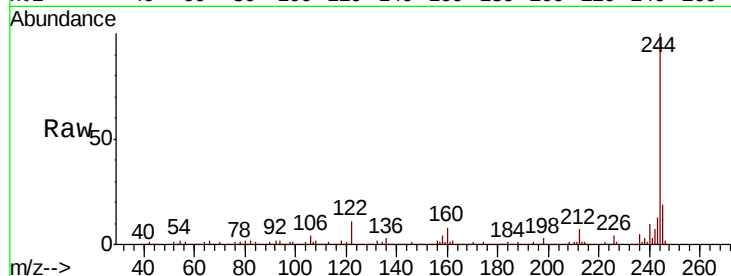




#79
 Terphenyl-d14
 Concen: 87.510 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117128.D
 Acq: 18 Sep 2019 00:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 691834
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 10.8 11.3 16.9#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BF117128.D
 Acq: 18 Sep 2019 00:50

Tgt Ion:264 Resp: 130885
 Ion Ratio Lower Upper
 264 100
 260 22.9 17.6 26.4
 265 19.9 16.6 24.8

