

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117091.D
 Acq On : 17 Sep 2019 5:04
 Operator : HP/JU
 Sample : K4877-14
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 08:20:38 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

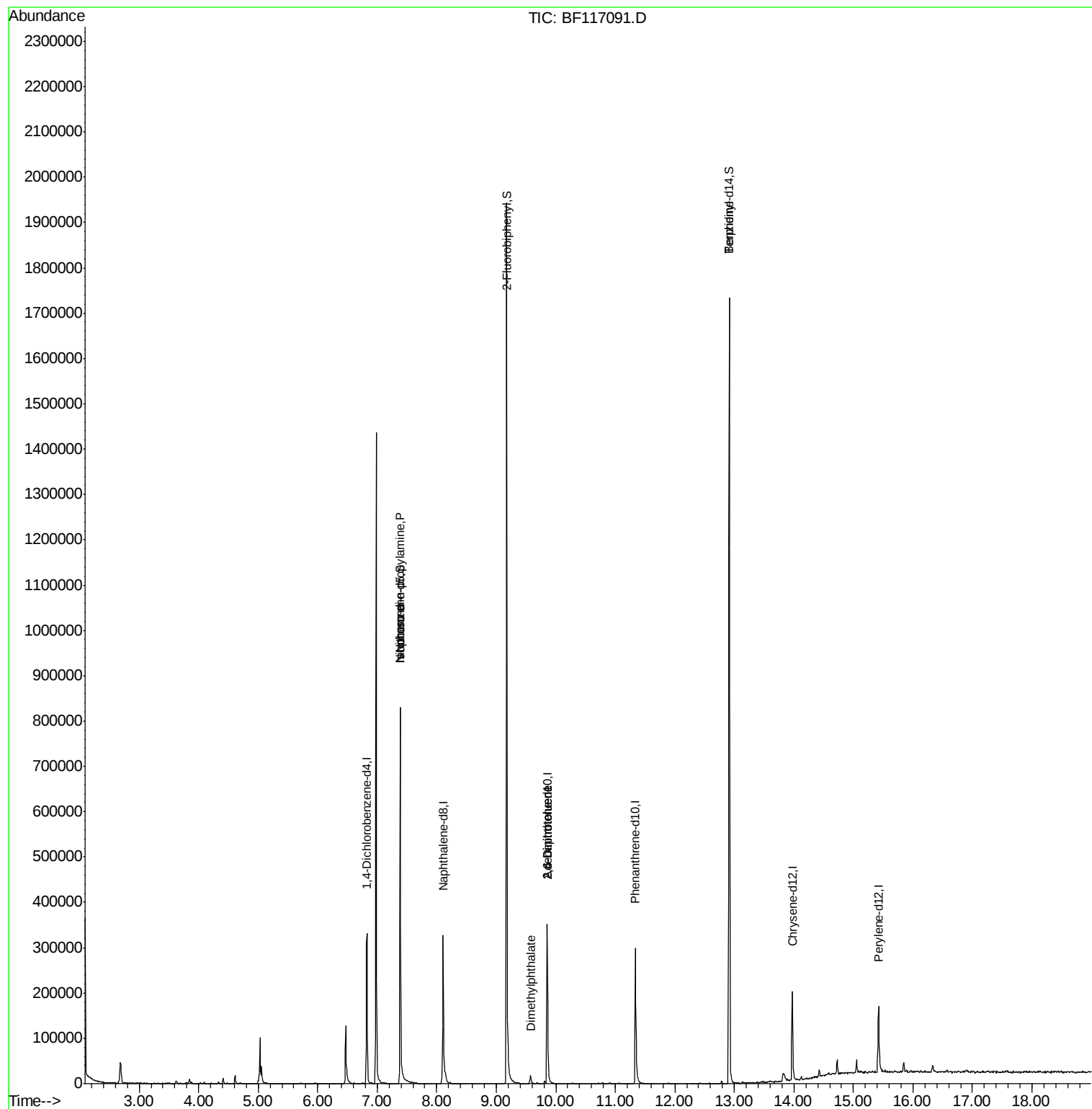
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	57282	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	220801	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	100012	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	153879	20.00	ng	0.00
76) Chrysene-d12	13.97	240	92417	20.00	ng	0.00
87) Perylene-d12	15.42	264	68105	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.47	99	5270	1.11	ng	0.01
23) Nitrobenzene-d5	7.39	82	322891	76.84	ng	0.00
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	9.17	172	652953	102.08	ng	0.00
79) Terphenyl-d14	12.92	244	570559	115.40	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	43799	15.169	ng	# 77
25) Isophorone	7.39	82	322889	43.396	ng	# 66
50) Dimethylphthalate	9.57	163	15732	2.222	ng	# 96
51) 2,6-Dinitrotoluene	9.86	165	12609	8.743	ng	# 24
57) 2,4-Dinitrotoluene	9.86	165	12610	6.736	ng	# 18
77) Benzidine	12.92	184	7649	2.569	ng	# 95

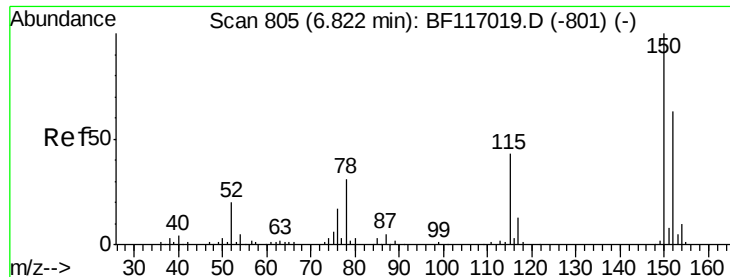
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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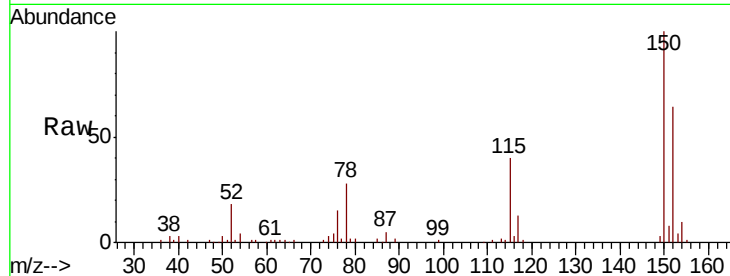


#1

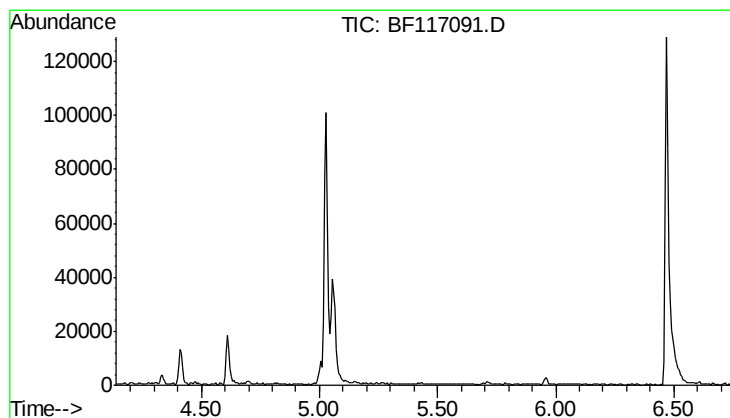
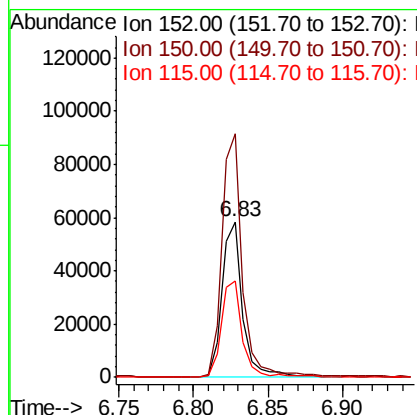
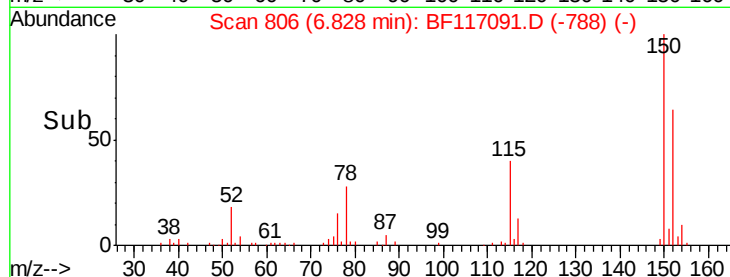
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF117091.D
Acq: 17 Sep 2019 5:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 57282
Ion Ratio Lower Upper
152 100
150 156.4 127.5 191.3
115 62.1 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

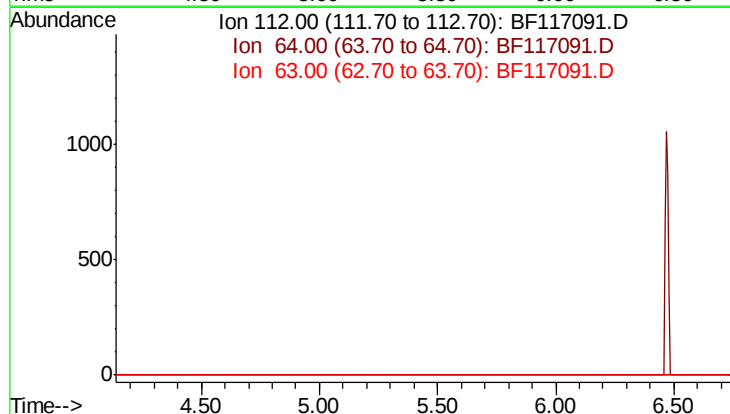


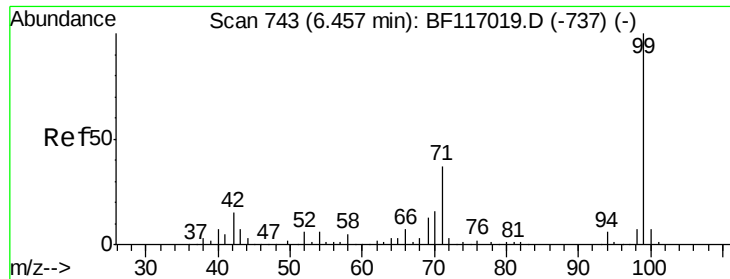
#5

2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.44 min

Lab File: BF117091.D
Acq: 17 Sep 2019 5:04

Tgt Ion: 112
Sig Exp Ratio
112 100
64 57.1
63 31.1





#7

Phenol-d6

Concen: 1.111 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117091.D

Acq: 17 Sep 2019 5:04

Instrument :

BNA_F

ClientSampleId :

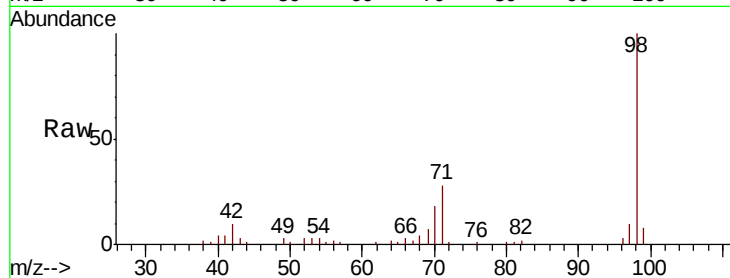
Tot Ion: 99 Resp: 5270

Ion Ratio Lower Upper

99 100

42 126.8 12.2 18.2#

71 337.4 29.8 44.8#

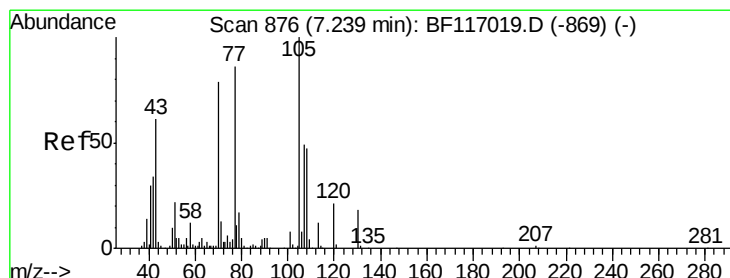
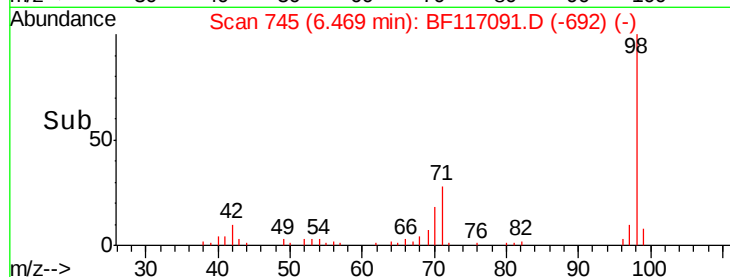
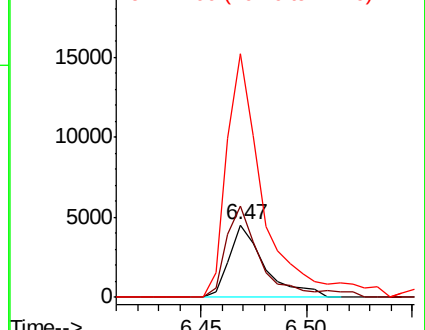


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 15.169 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF117091.D

Acq: 17 Sep 2019 5:04

Tgt Ion: 70 Resp: 43799

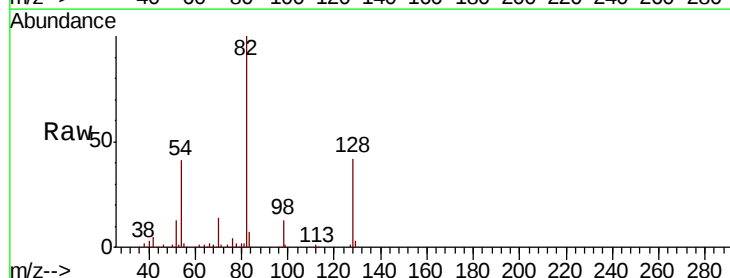
Ion Ratio Lower Upper

70 100

42 34.4 34.0 51.0

101 0.0 7.8 11.6#

130 2.8 17.8 26.8#



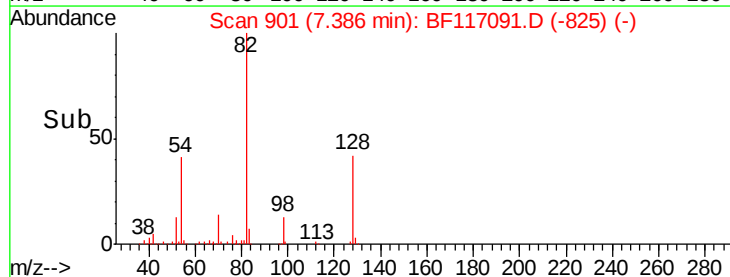
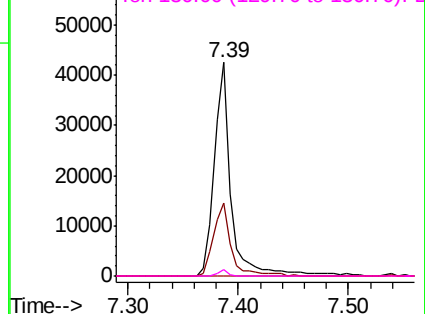
Abundance

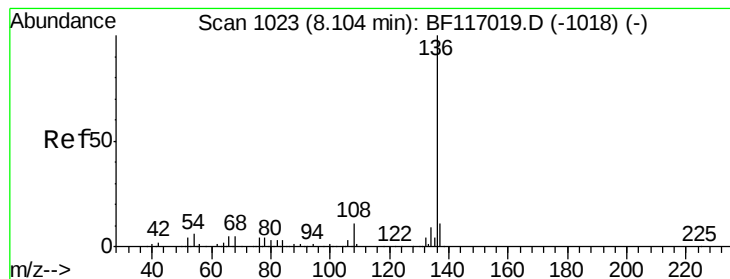
Ion 70.00 (69.70 to 70.70): BF1

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: BF117091.D

Acq: 17 Sep 2019 5:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 220801

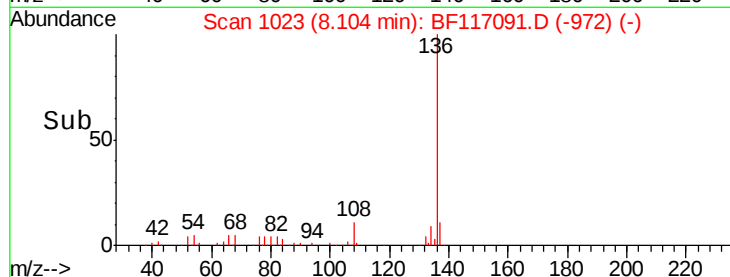
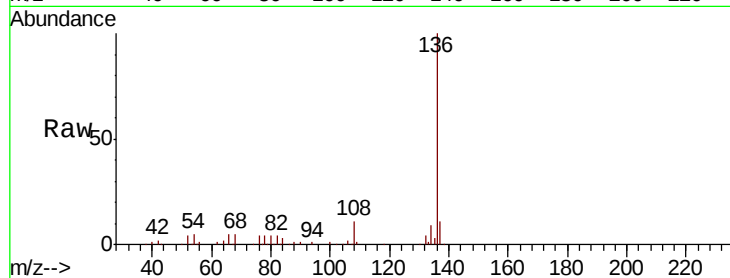
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 5.5 4.5 6.7

68 4.7 4.0 6.0

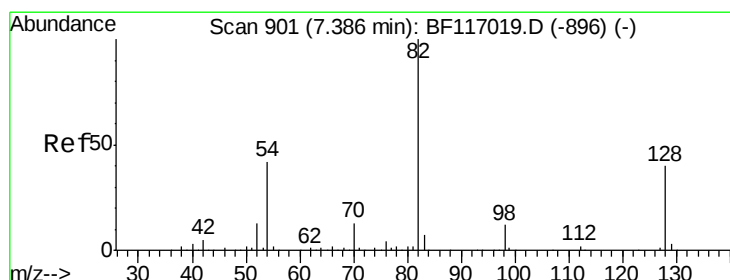
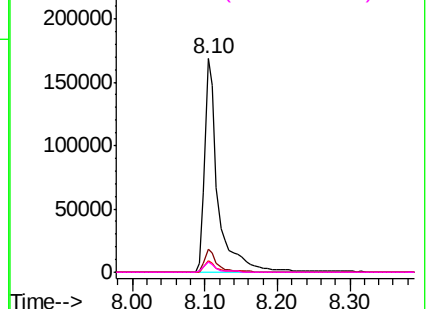


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.836 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BF117091.D

Acq: 17 Sep 2019 5:04

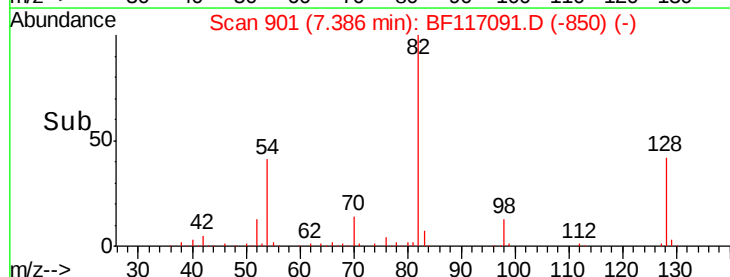
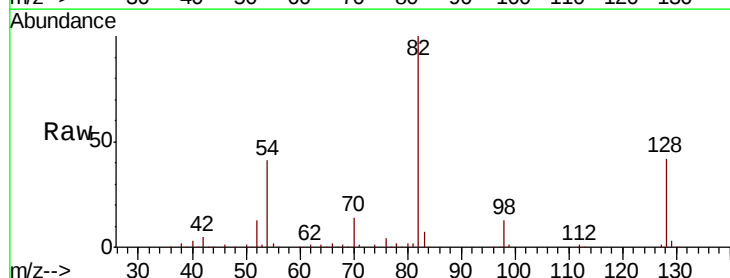
Tgt Ion: 82 Resp: 322891

Ion Ratio Lower Upper

82 100

128 41.9 32.3 48.5

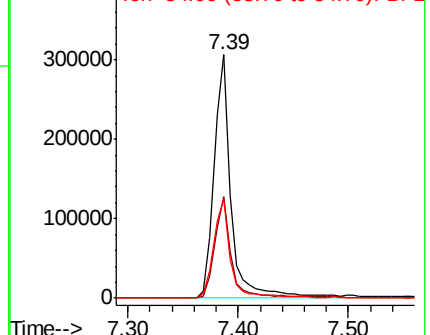
54 40.5 33.3 49.9

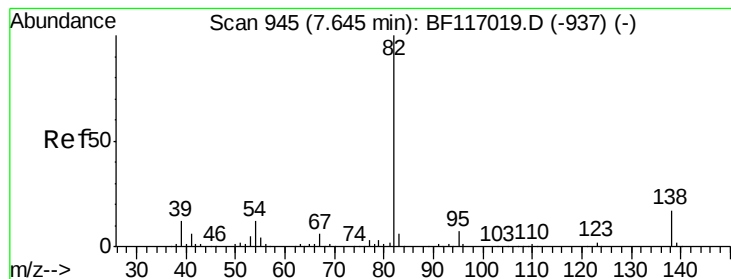


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.396 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF117091.D

Acq: 17 Sep 2019 5:04

Instrument :

BNA_F

ClientSampleId :

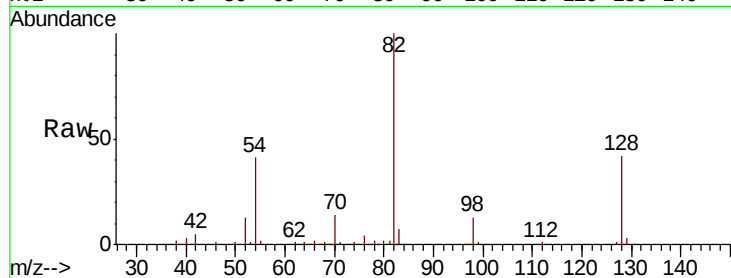
Tot Ion: 82 Resp: 322889

Ion Ratio Lower Upper

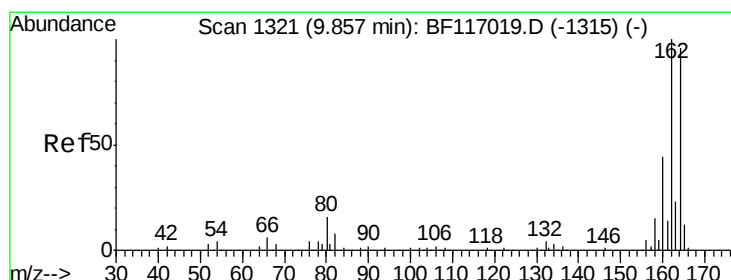
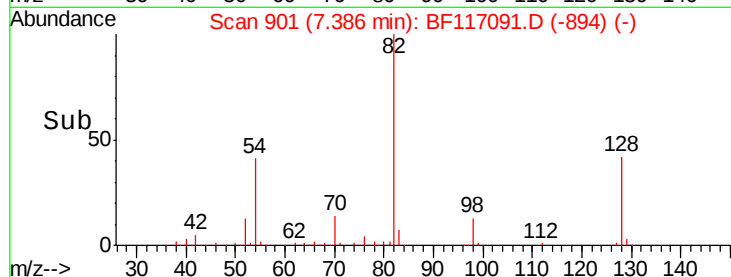
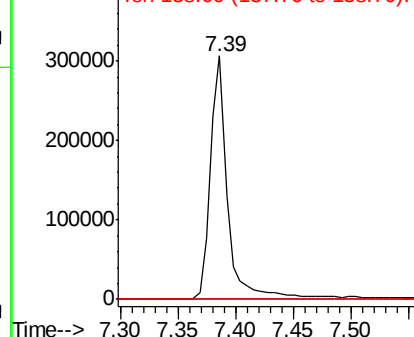
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BF117091.D

Acq: 17 Sep 2019 5:04

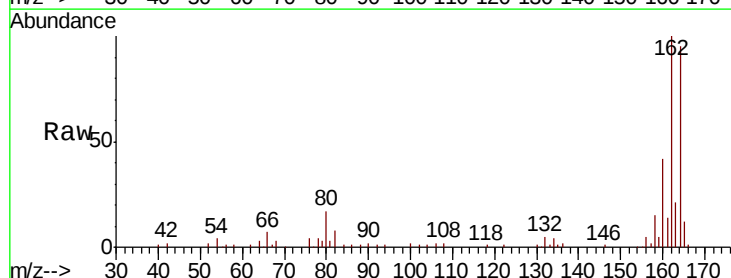
Tgt Ion: 164 Resp: 100012

Ion Ratio Lower Upper

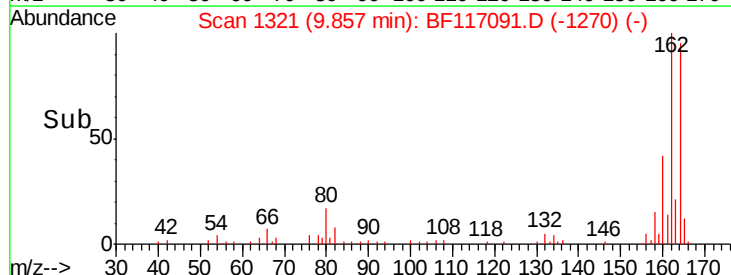
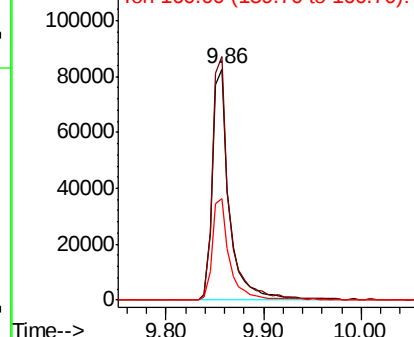
164 100

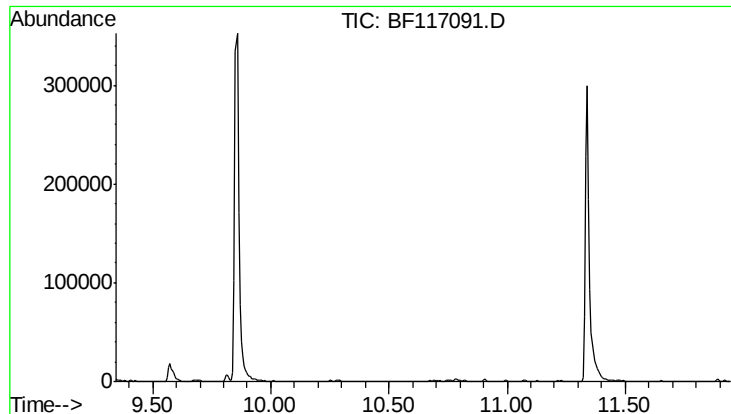
162 105.5 83.4 125.2

160 43.9 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

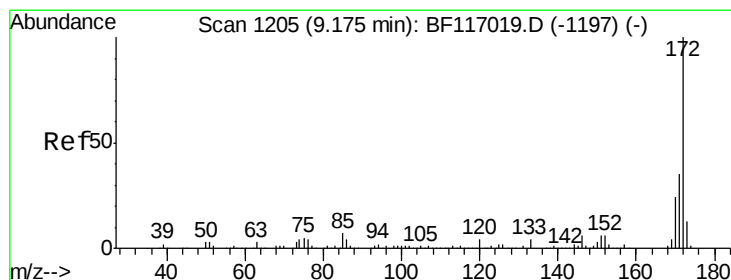
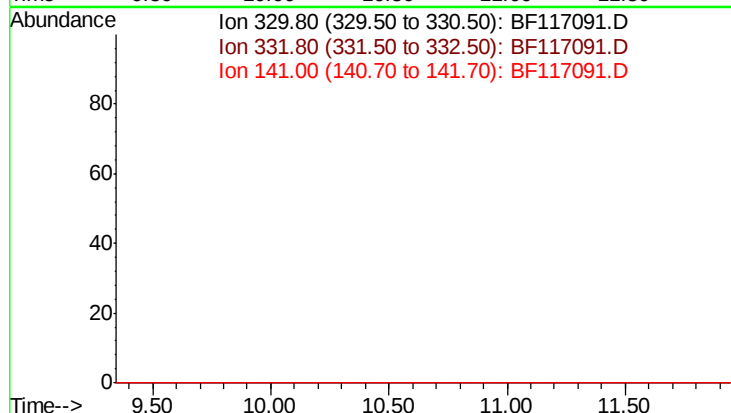




#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.65 min
 Lab File: BF117091.D
 Acq: 17 Sep 2019 5:04

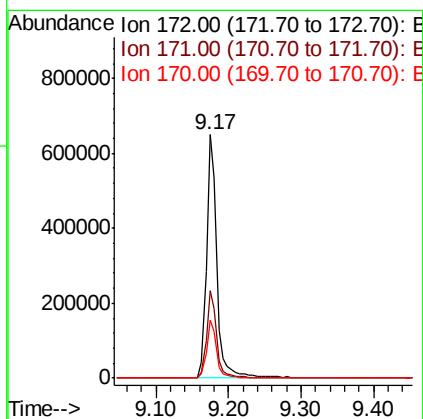
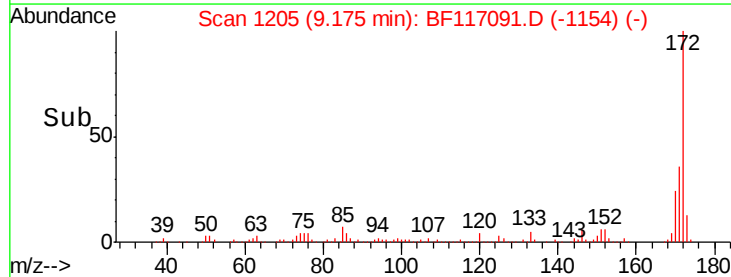
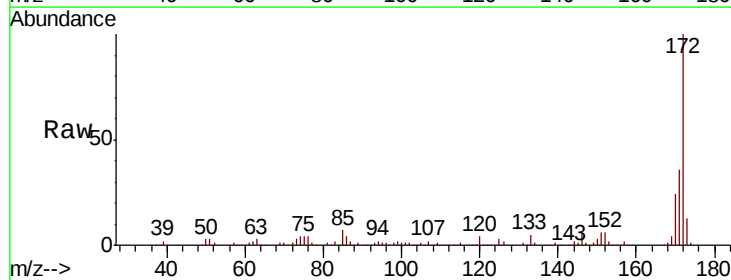
Instrument :
 BNA_F
 ClientSampleId :

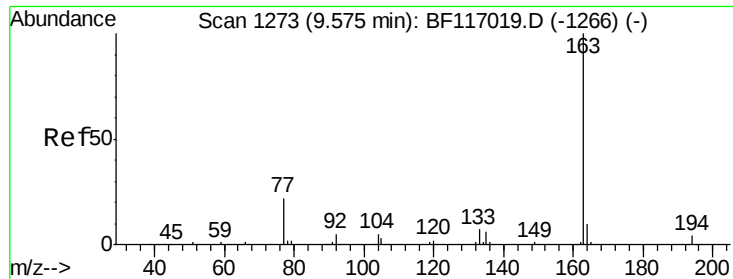
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 97.5
 141 44.7



#45
 2-Fluorobiphenyl
 Concen: 102.082 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF117091.D
 Acq: 17 Sep 2019 5:04

Tgt Ion: 172 Resp: 652953
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.2 42.2
 170 23.8 18.9 28.3





#50

Dimethylphthalate

Concen: 2.222 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BF117091.D

Acq: 17 Sep 2019 5:04

Instrument :

BNA_F

ClientSampleId :

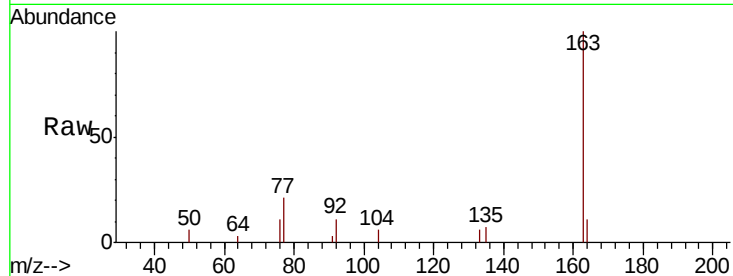
Tot Ion:163 Resp: 15732

Ion Ratio Lower Upper

163 100

194 0.0 2.9 4.3#

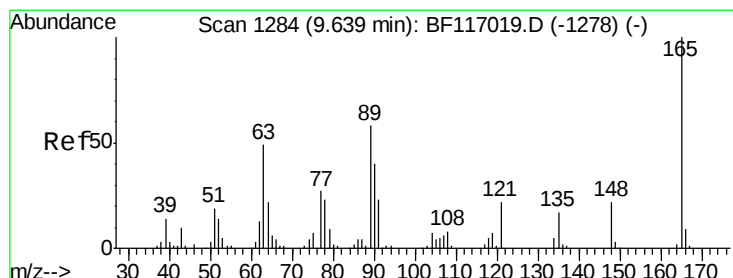
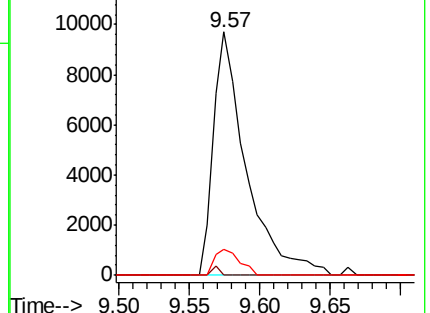
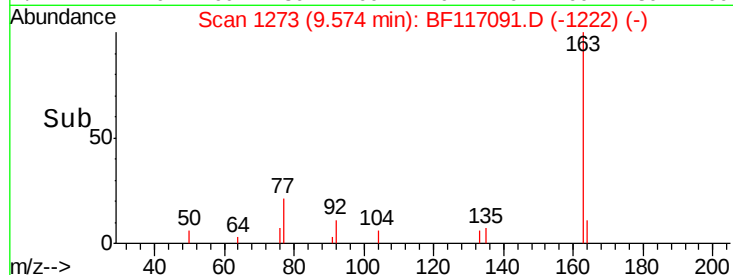
164 10.7 8.2 12.4



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: 8.743 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.22 min

Lab File: BF117091.D

Acq: 17 Sep 2019 5:04

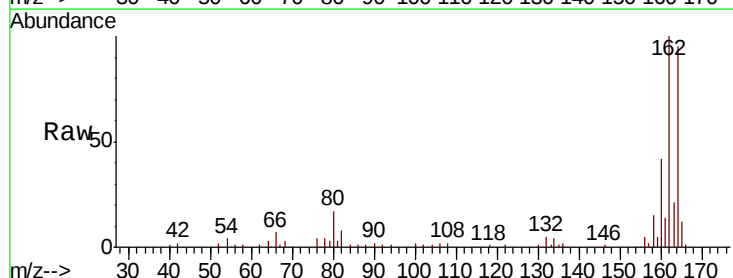
Tgt Ion:165 Resp: 12609

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

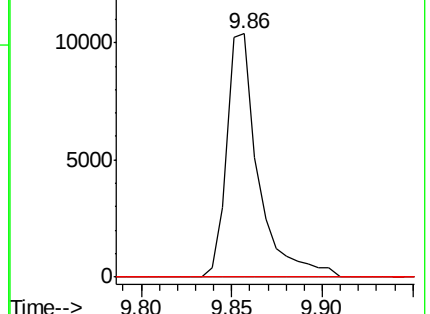
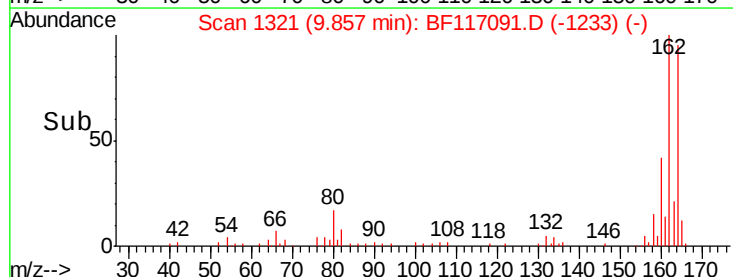
89 0.0 46.5 69.7#

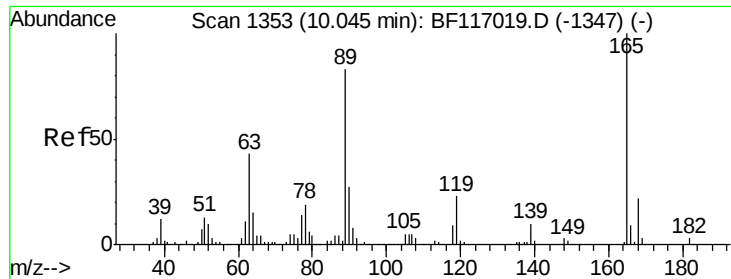


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

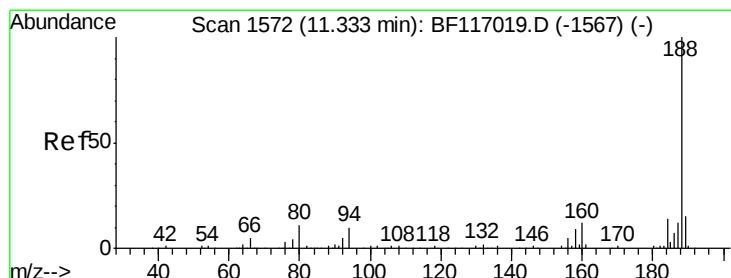
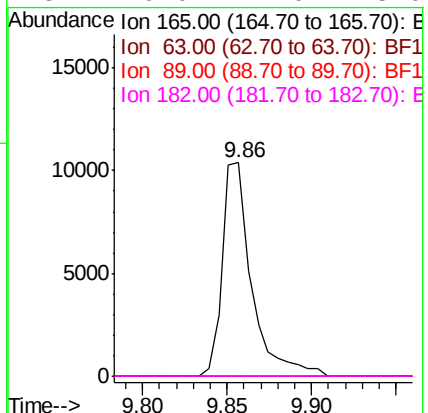
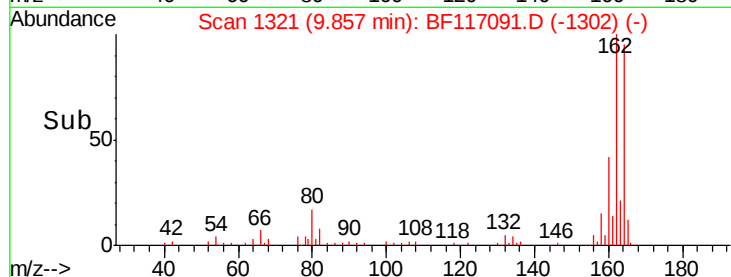
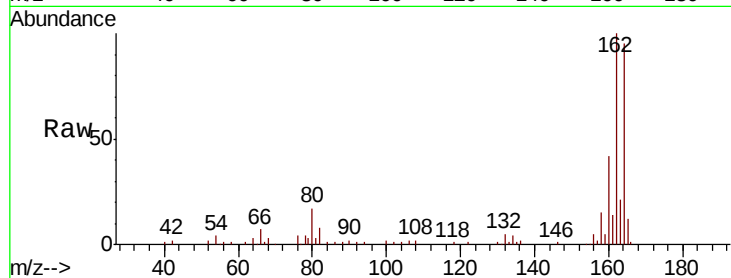




#57
 2,4-Dinitrotoluene
 Concen: 6.736 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.19 min
 Lab File: BF117091.D
 Acq: 17 Sep 2019 5:04

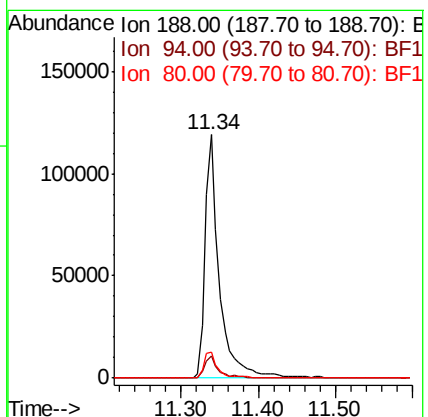
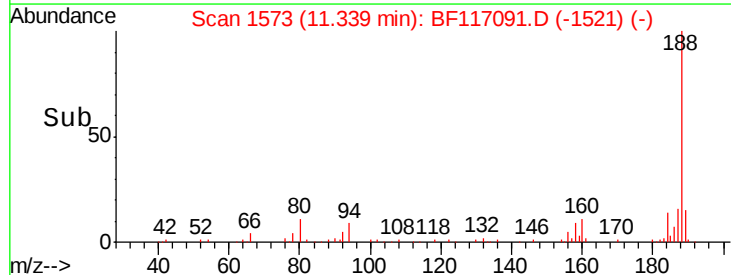
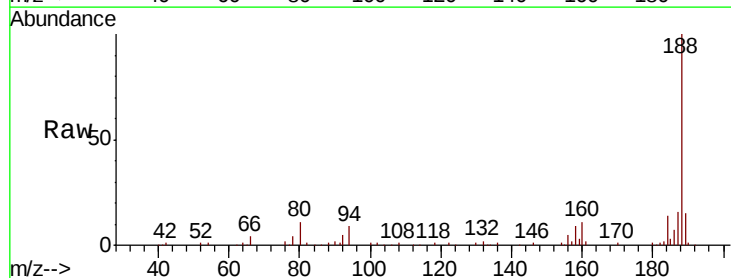
Instrument :
 BNA_F
 ClientSampleId :

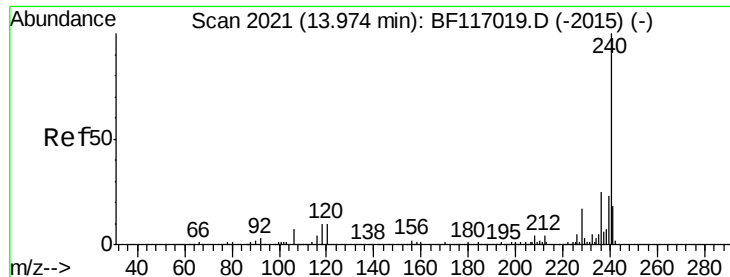
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF117091.D
 Acq: 17 Sep 2019 5:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.2	12.2
80	10.9	9.0	13.6

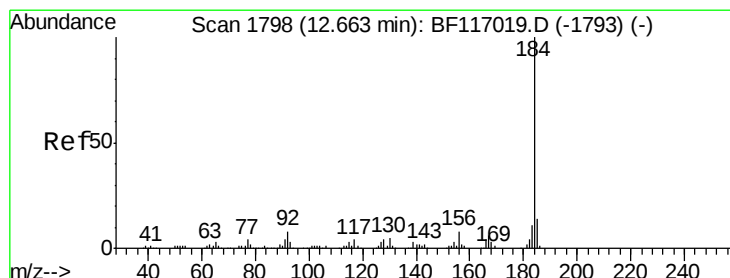
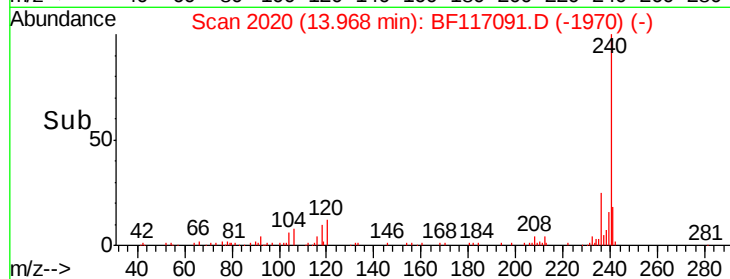
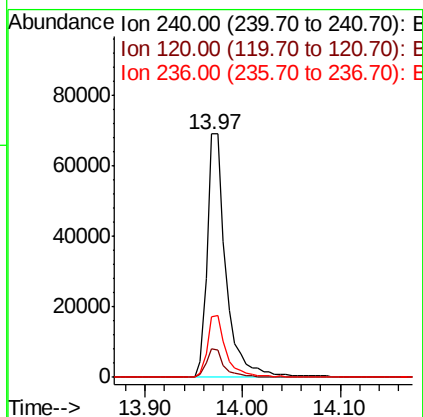
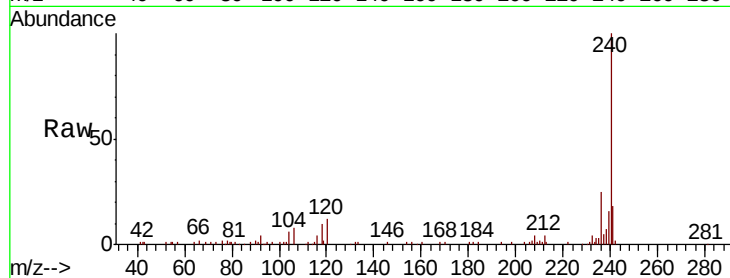




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117091.D
 Acq: 17 Sep 2019 5:04

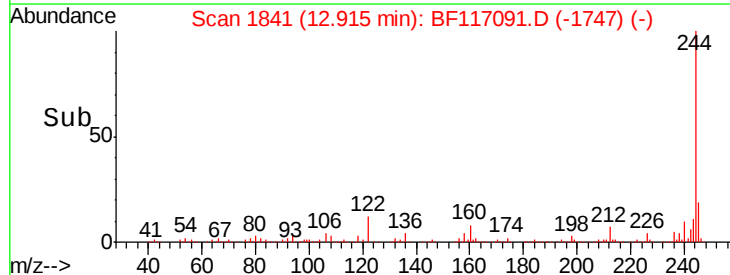
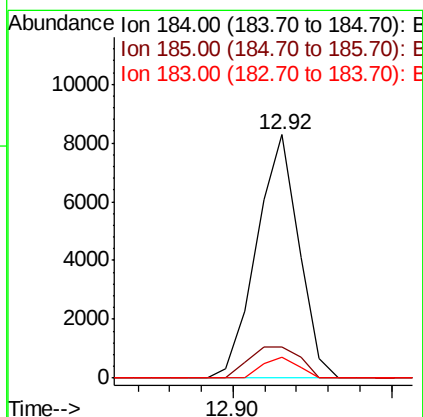
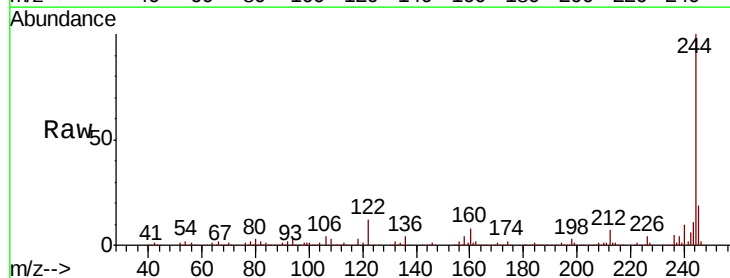
Instrument :
 BNA_F
 ClientSampleId :

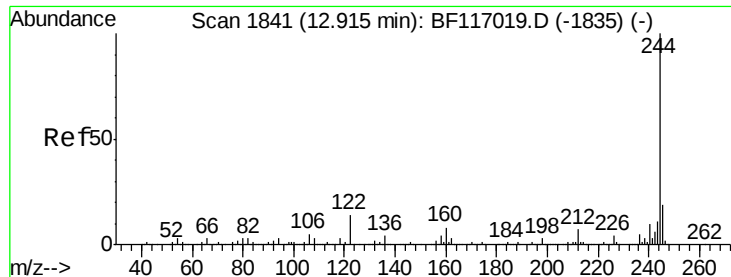
Tot Ion:240 Resp: 92417
 Ion Ratio Lower Upper
 240 100
 120 11.6 8.3 12.5
 236 24.9 20.3 30.5



#77
 Benzidine
 Concen: 2.569 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.25 min
 Lab File: BF117091.D
 Acq: 17 Sep 2019 5:04

Tgt Ion:184 Resp: 7649
 Ion Ratio Lower Upper
 184 100
 185 13.0 11.6 17.4
 183 8.8 9.0 13.4#

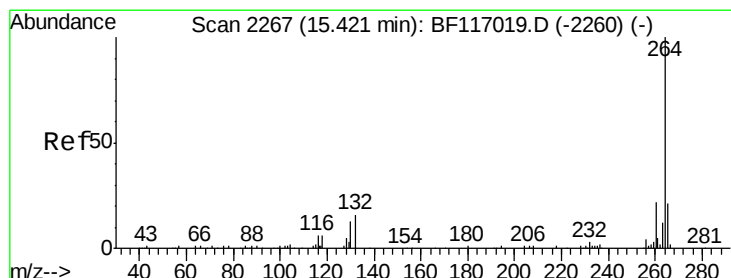
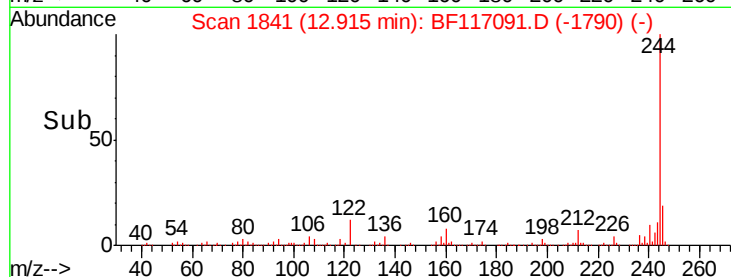
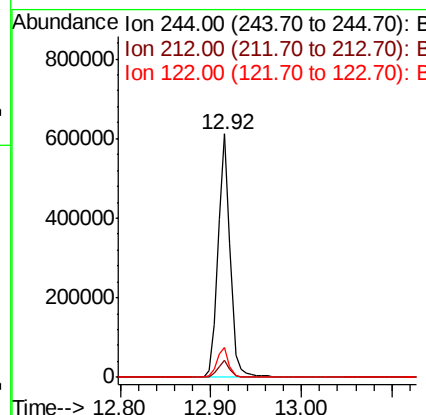
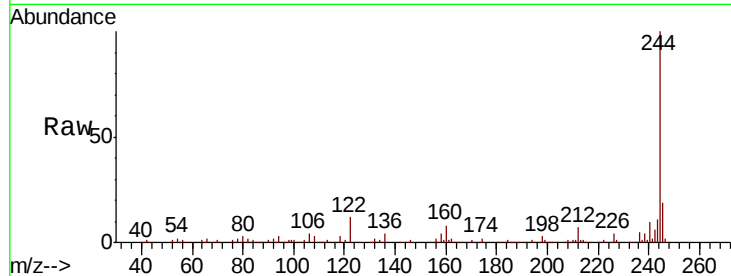




#79
 Terphenyl-d14
 Concen: 115.401 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF117091.D
 Acq: 17 Sep 2019 5:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	12.4	11.3	16.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. -0.00 min
 Lab File: BF117091.D
 Acq: 17 Sep 2019 5:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.6	26.4
265	21.4	16.6	24.8

