

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
 Data File : BF117027.D
 Acq On : 13 Sep 2019 17:31
 Operator : HP/JU
 Sample : K4836-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 14 00:16:47 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

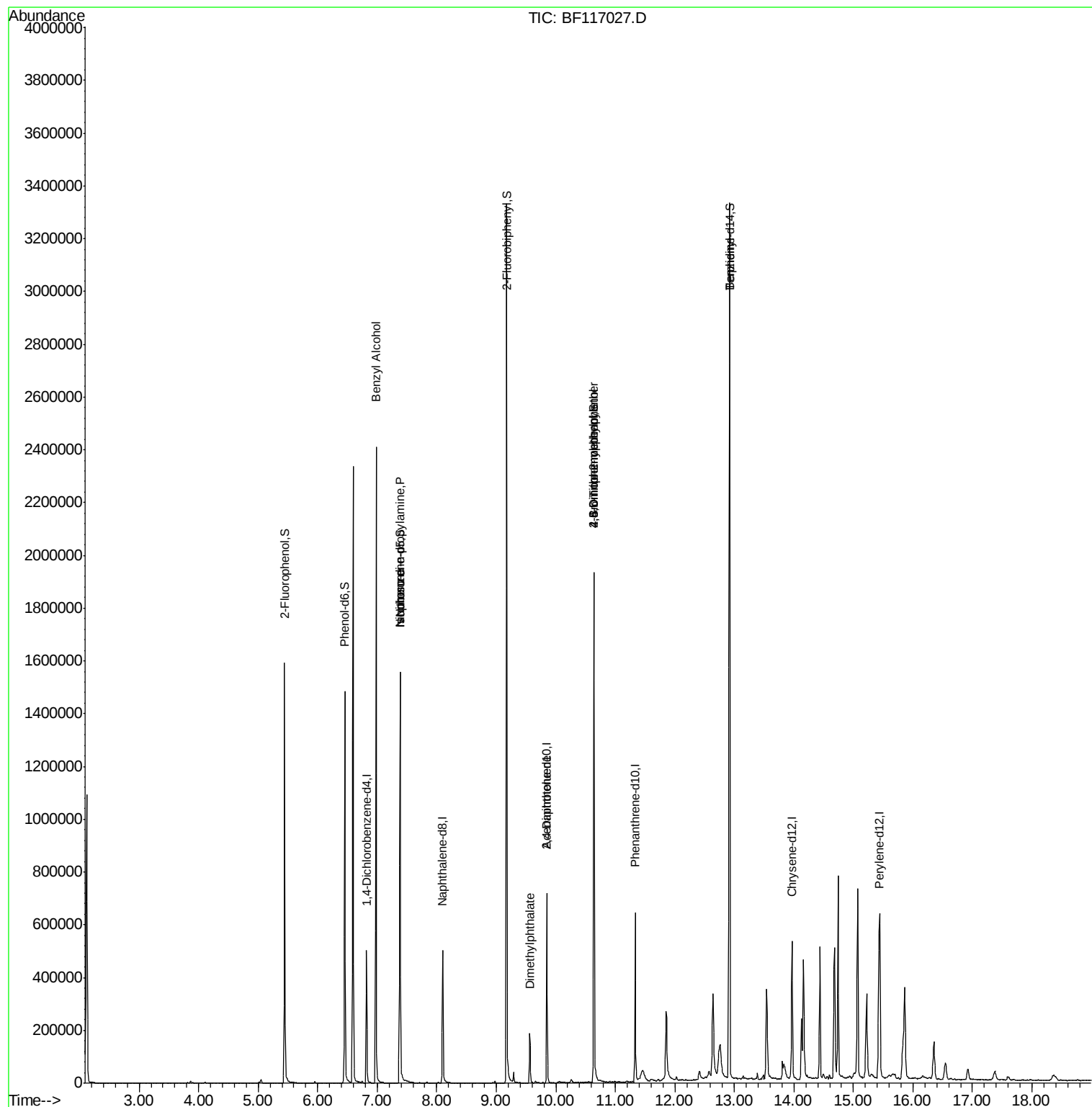
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	71597	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	276972	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	143792	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	239898	20.00	ng	0.00
76) Chrysene-d12	13.97	240	186331	20.00	ng	0.00
87) Perylene-d12	15.43	264	176051	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	481218	104.93	ng	0.00
7) Phenol-d6	6.46	99	536164	90.47	ng	0.00
23) Nitrobenzene-d5	7.39	82	644751	122.31	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	228023	189.74	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1159962	126.13	ng	0.00
79) Terphenyl-d14	12.92	244	1125919	112.95	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	653	Below Cal	Qvalue	# 1
15) Benzyl Alcohol	6.98	79	10678	2.349 ng	#	45
19) n-Nitroso-di-n-propylamine	7.39	70	87452	24.233 ng	#	77
25) Isophorone	7.39	82	644741	69.079 ng	#	66
50) Dimethylphthalate	9.56	163	80117	7.869 ng		99
57) 2,4-Dinitrotoluene	9.85	165	17864	6.637 ng	#	19
65) 4,6-Dinitro-2-methylphenol	10.63	198	560	7.341 ng	#	1
67) 4-Bromophenyl-phenylether	10.64	248	14404	5.879 ng	#	1
77) Benzidine	12.92	184	17034	2.838 ng	#	94

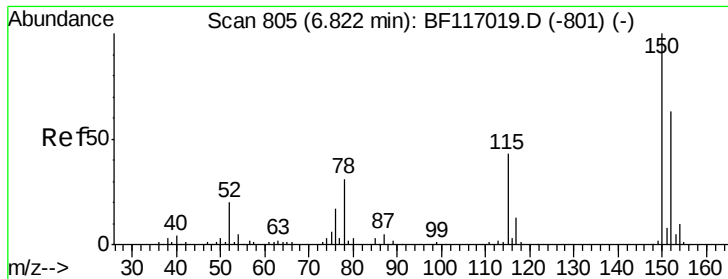
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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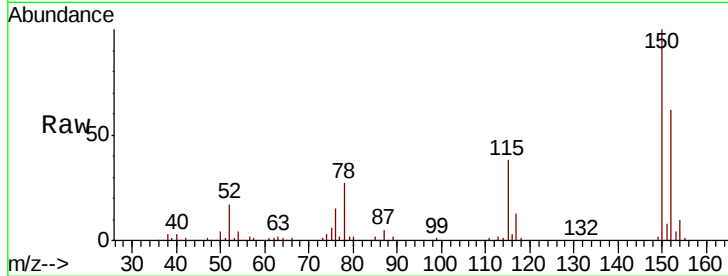


#1

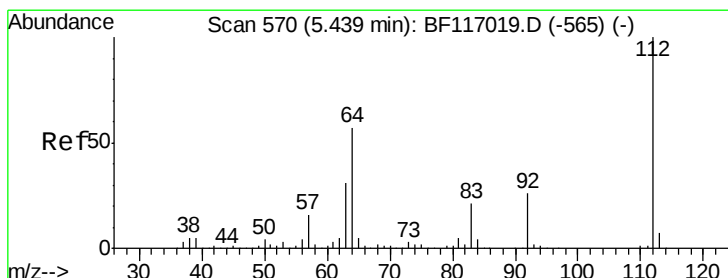
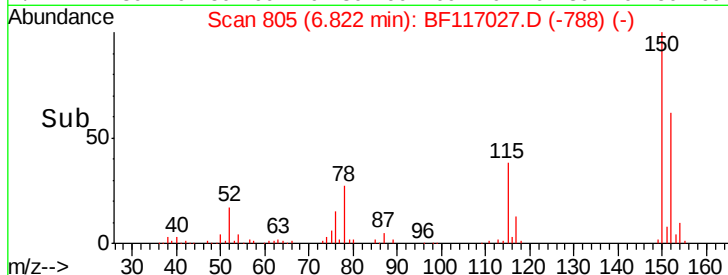
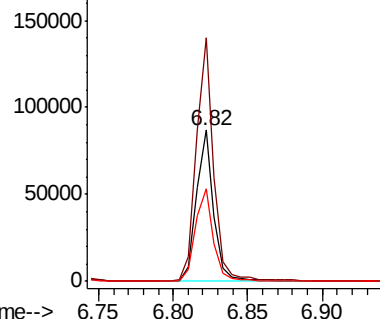
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117027.D
Acq: 13 Sep 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 71597
Ion Ratio Lower Upper
152 100
150 161.4 127.5 191.3
115 61.5 55.0 82.4



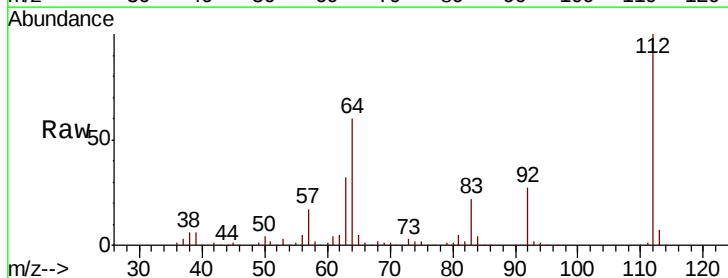
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



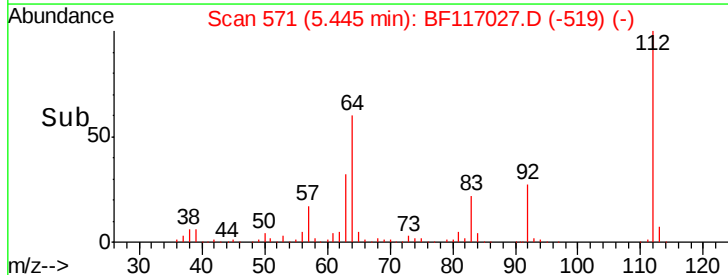
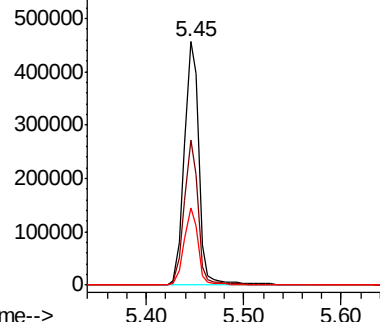
#5

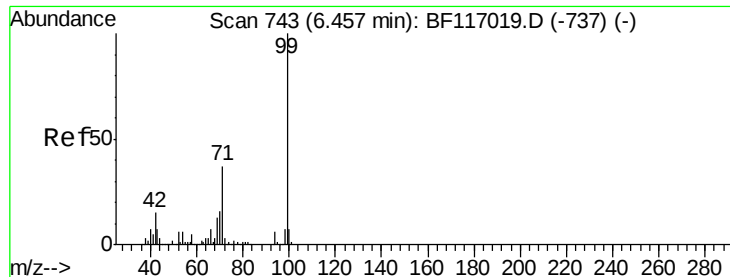
2-Fluorophenol
Concen: 104.935 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117027.D
Acq: 13 Sep 2019 17:31

Tgt Ion:112 Resp: 481218
Ion Ratio Lower Upper
112 100
64 59.8 45.7 68.5
63 32.0 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: 90.467 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117027.D

Acq: 13 Sep 2019 17:31

Instrument :

BNA_F

ClientSampleId :

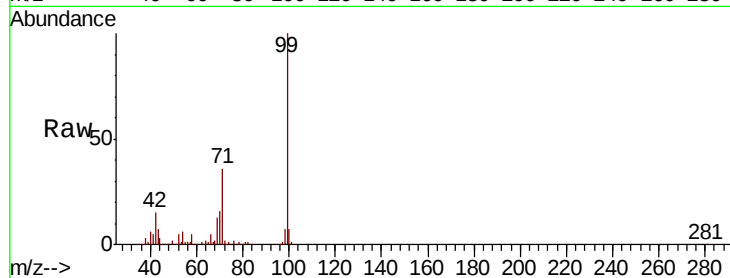
Tot Ion: 99 Resp: 536164

Ion Ratio Lower Upper

99 100

42 14.8 12.2 18.2

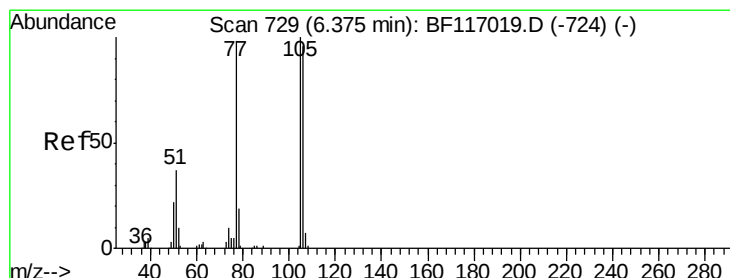
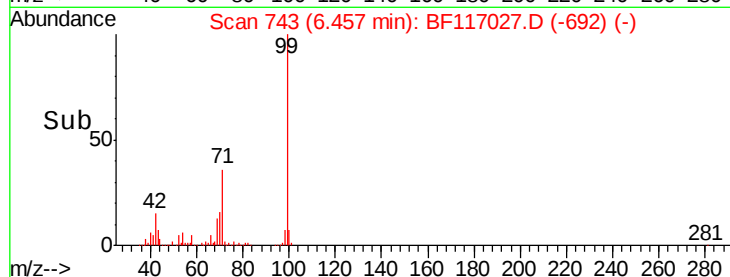
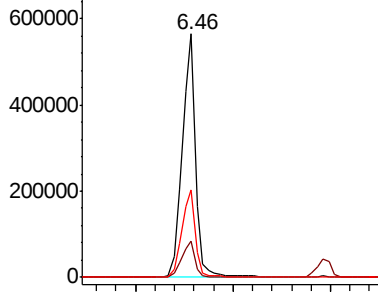
71 35.9 29.8 44.8



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# 743

Delta R.T. 0.08 min

Lab File: BF117027.D

Acq: 13 Sep 2019 17:31

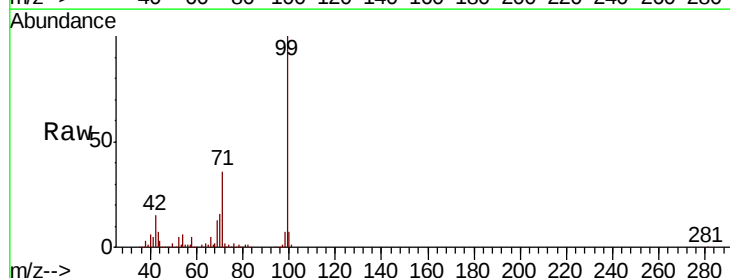
Tgt Ion: 77 Resp: 653

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

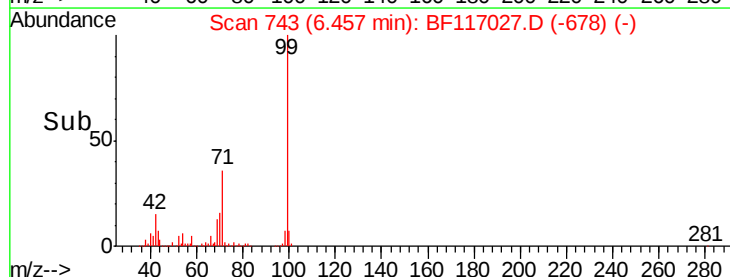
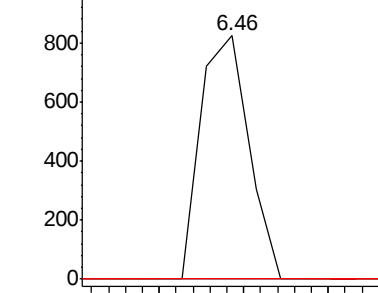
106 0.0 77.3 117.3#

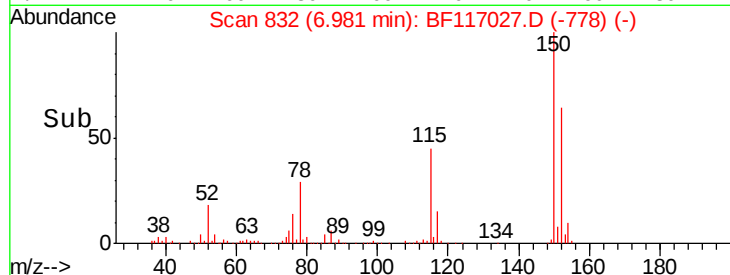
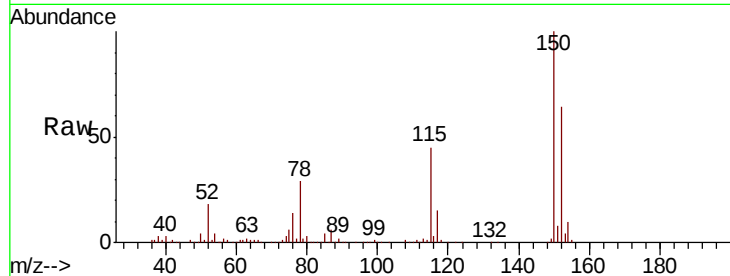
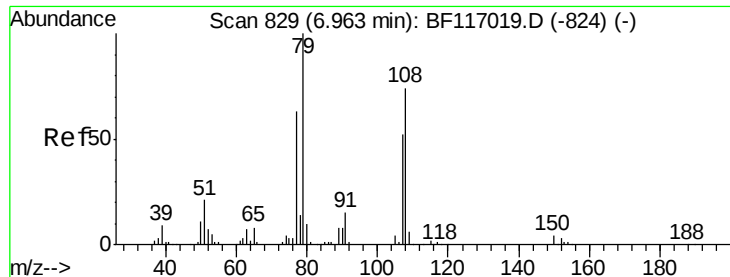


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.349 ng

RT: 6.98 min Scan# 832

Delta R.T. 0.02 min

Lab File: BF117027.D

Acq: 13 Sep 2019 17:31

Instrument :

BNA_F

ClientSampleId :

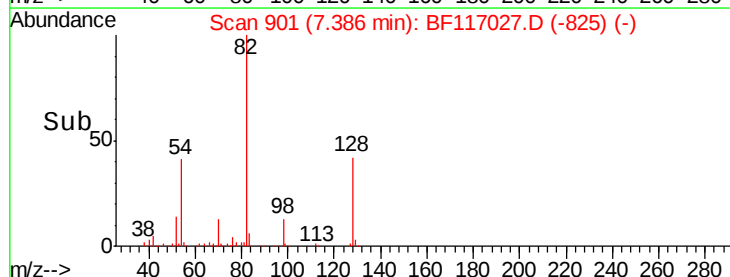
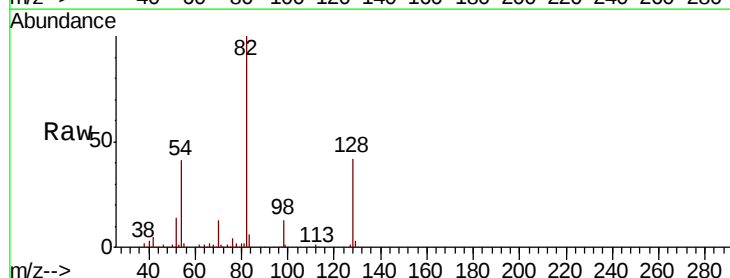
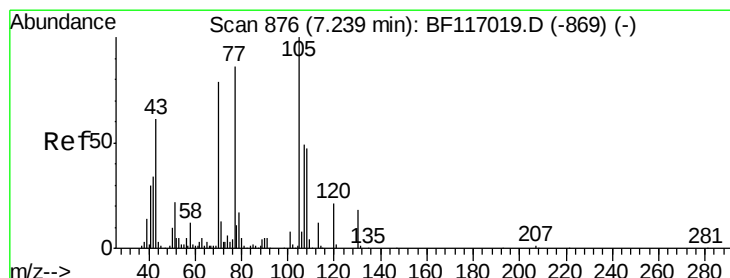
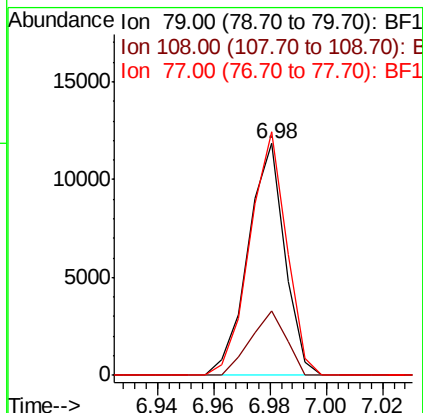
Tot Ion: 79 Resp: 10678

Ion Ratio Lower Upper

79 100

108 27.6 59.4 89.0#

77 105.2 50.2 75.2#



#19

n-Nitroso-di-n-propylamine

Concen: 24.233 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF117027.D

Acq: 13 Sep 2019 17:31

Tgt Ion: 70 Resp: 87452

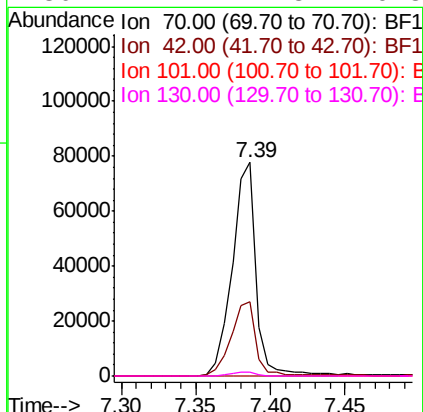
Ion Ratio Lower Upper

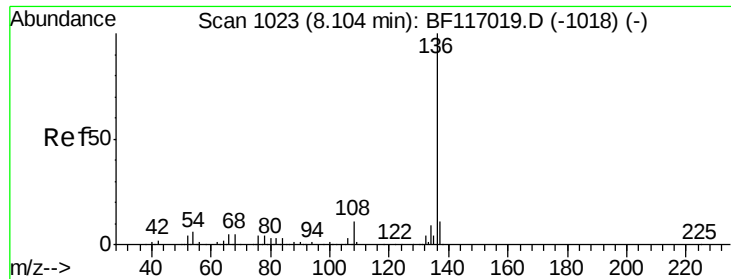
70 100

42 34.8 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# 1022

Delta R.T. -0.01 min

Lab File: BF117027.D

Acq: 13 Sep 2019 17:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 276972

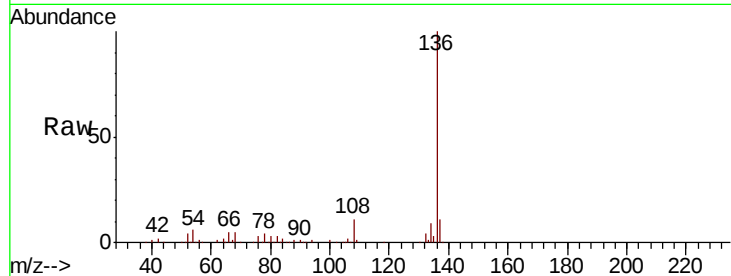
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 5.5 4.5 6.7

68 4.8 4.0 6.0

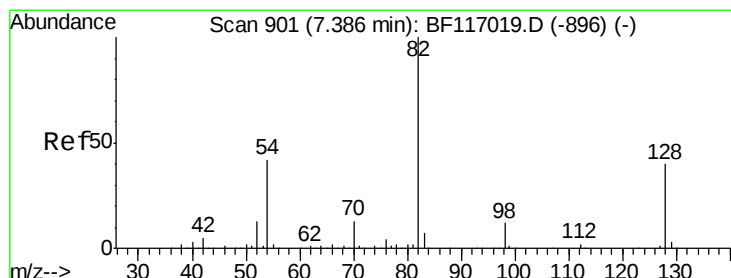
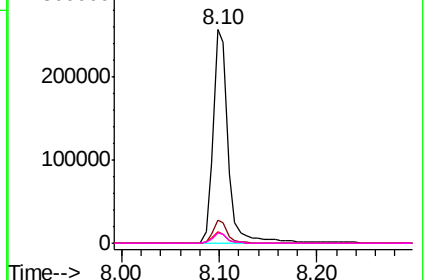
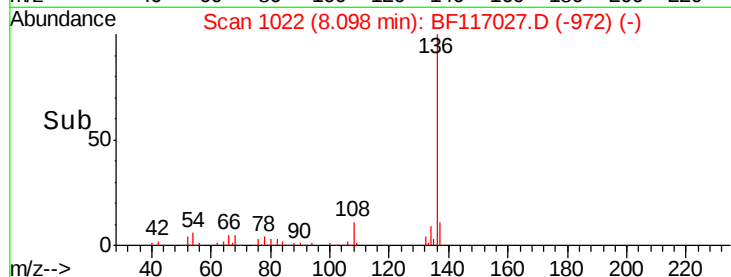


Abundance Ion 136.00 (135.70 to 136.70): E

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: 122.311 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BF117027.D

Acq: 13 Sep 2019 17:31

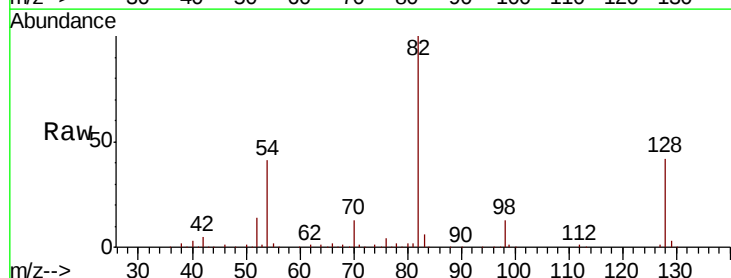
Tgt Ion: 82 Resp: 644751

Ion Ratio Lower Upper

82 100

128 41.6 32.3 48.5

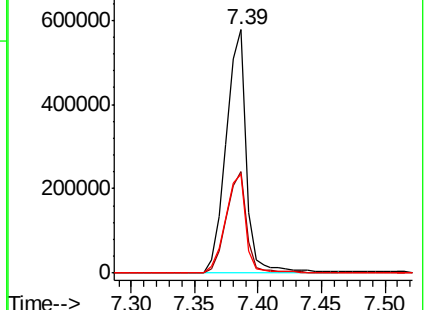
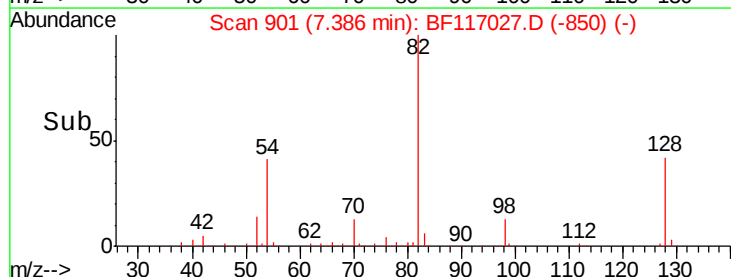
54 40.7 33.3 49.9

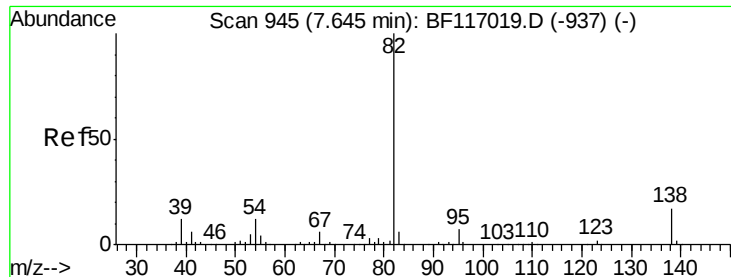


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 69.079 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF117027.D

Acq: 13 Sep 2019 17:31

Instrument :

BNA_F

ClientSampleId :

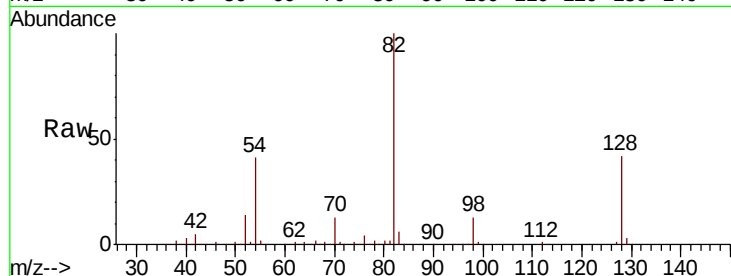
Tot Ion: 82 Resp: 644741

Ion Ratio Lower Upper

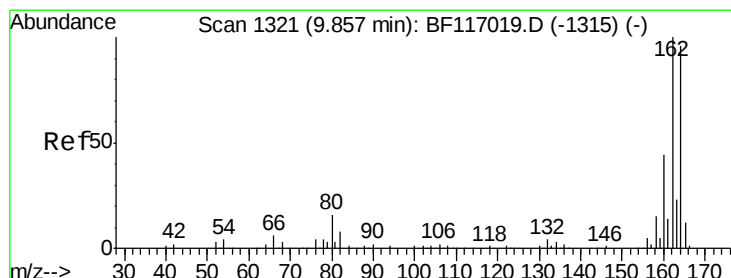
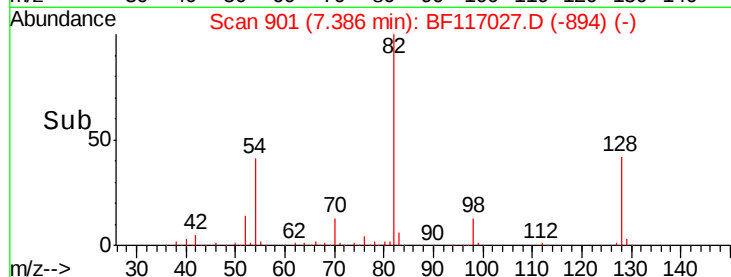
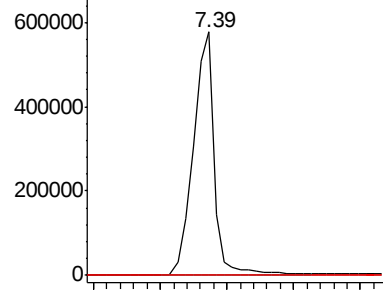
82 100

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: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117027.D

Acq: 13 Sep 2019 17:31

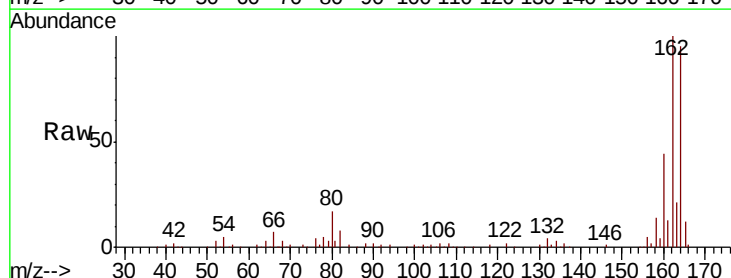
Tgt Ion: 164 Resp: 143792

Ion Ratio Lower Upper

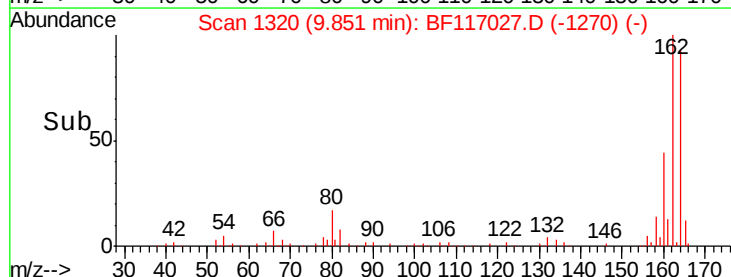
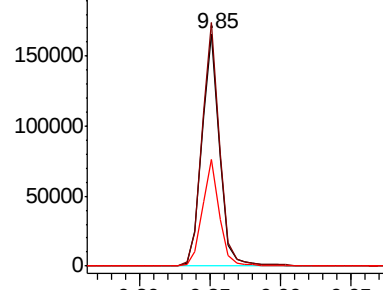
164 100

162 104.9 83.4 125.2

160 46.0 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

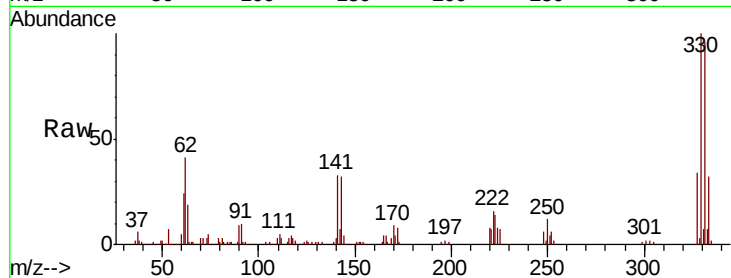




#42
 2,4,6-Tribromophenol
 Concen: 189.739 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF117027.D
 Acq: 13 Sep 2019 17:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.0	117.0
141	44.6	35.8	53.6

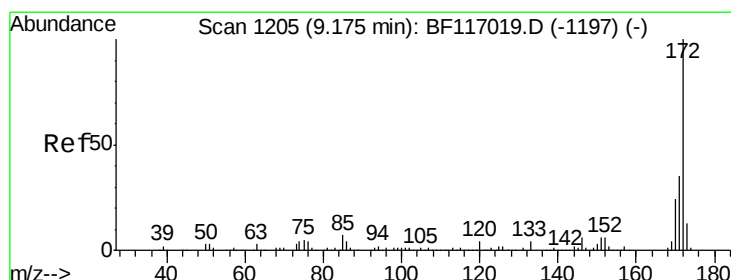
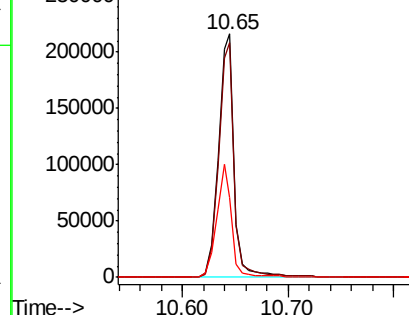
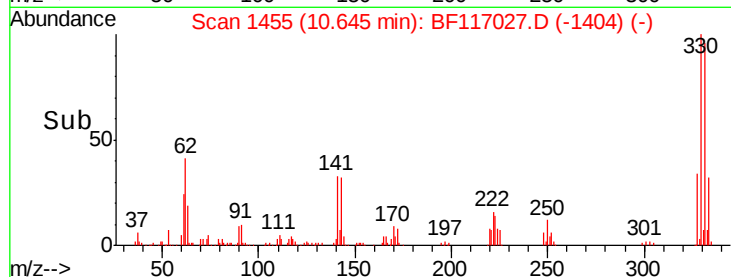


Abundance

Ion 329.80 (329.50 to 330.50): E

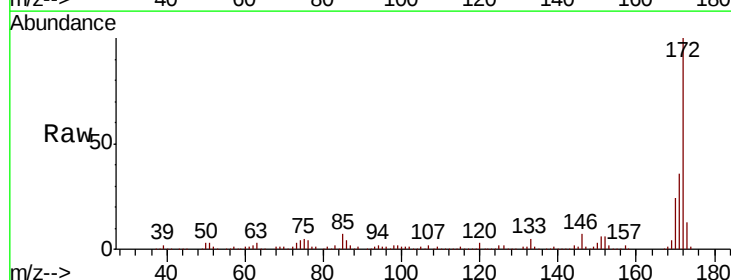
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 126.133 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117027.D
 Acq: 13 Sep 2019 17:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.2	42.2
170	23.8	18.9	28.3

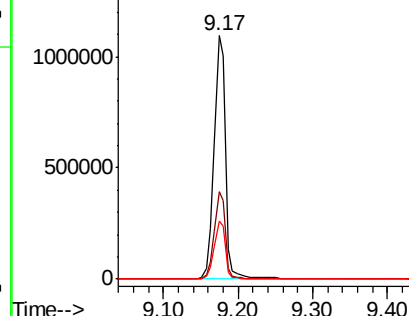
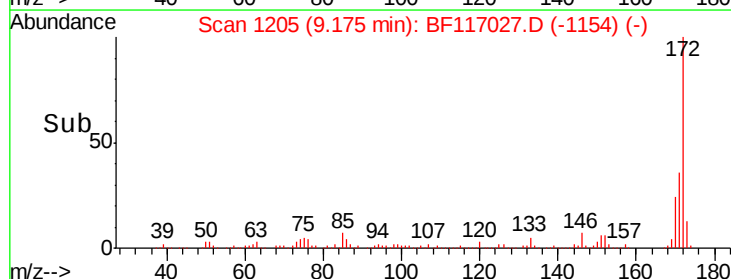


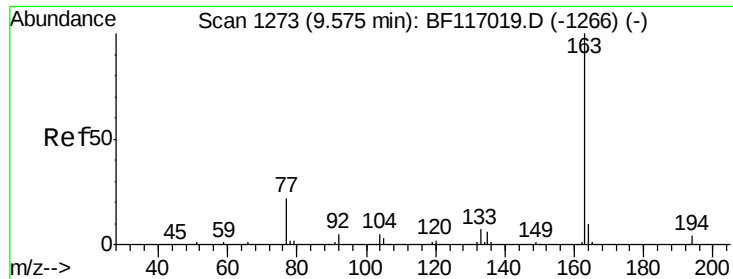
Abundance

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

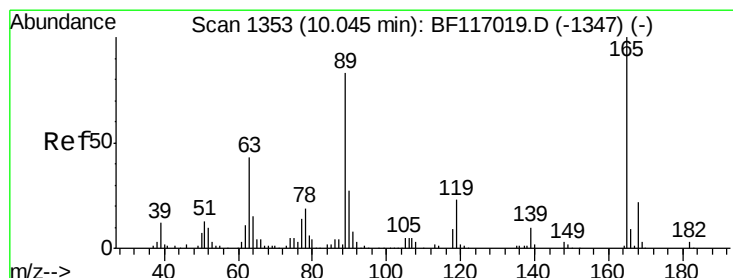
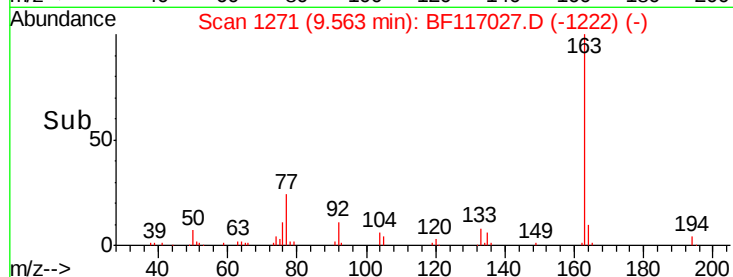
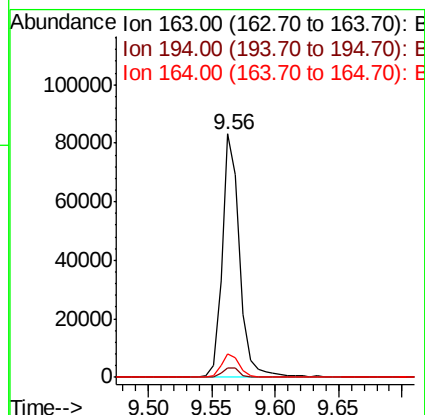
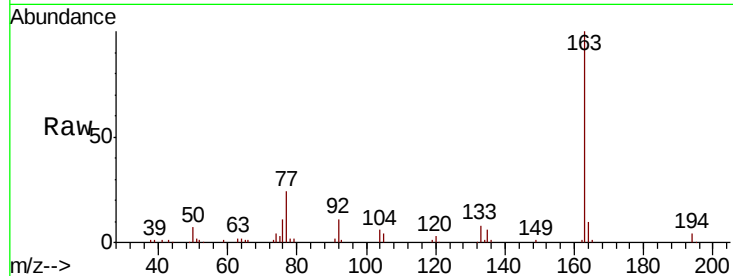




#50
Dimethylphthalate
Concen: 7.869 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117027.D
Acq: 13 Sep 2019 17:31

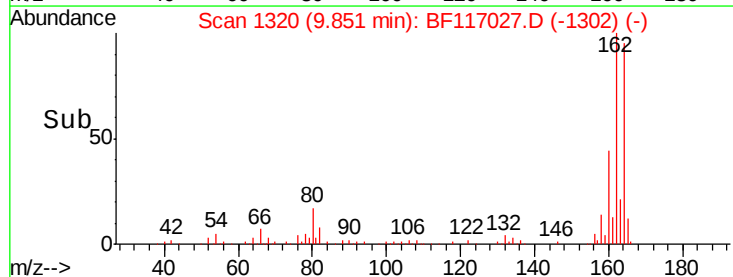
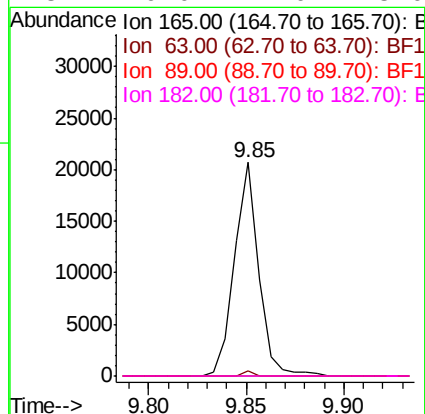
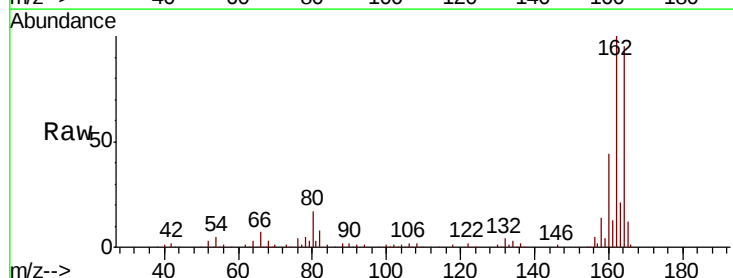
Instrument :
BNA_F
ClientSampled :

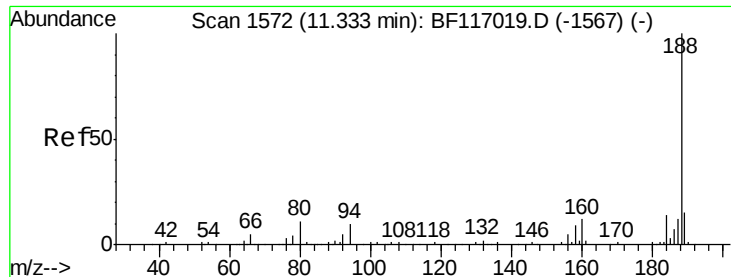
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.9	4.3
164	9.7	8.2	12.4



#57
2,4-Dinitrotoluene
Concen: 6.637 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF117027.D
Acq: 13 Sep 2019 17:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#

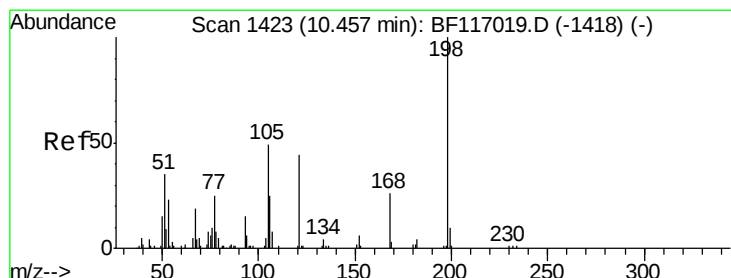
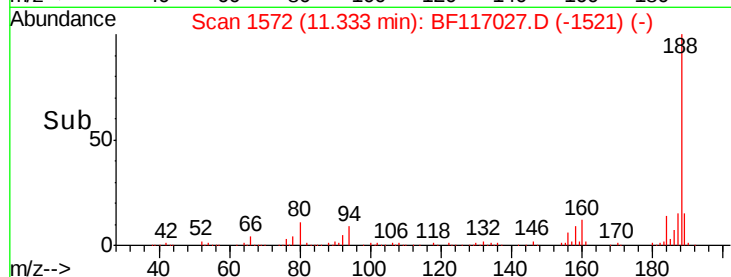
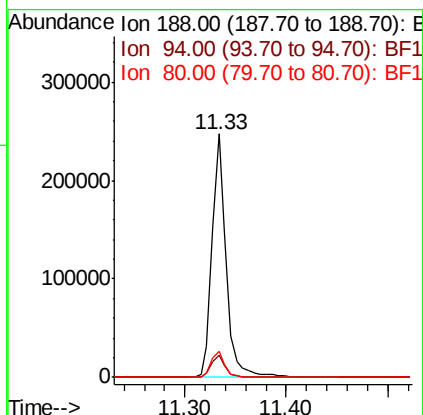
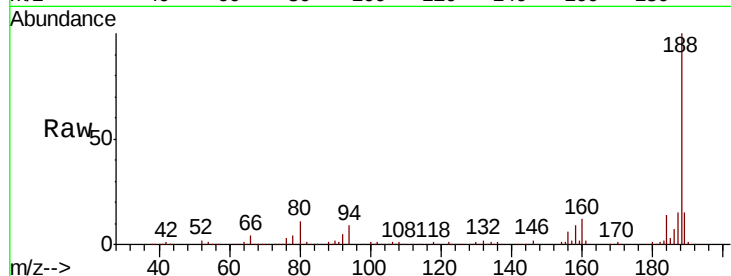




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117027.D
Acq: 13 Sep 2019 17:31

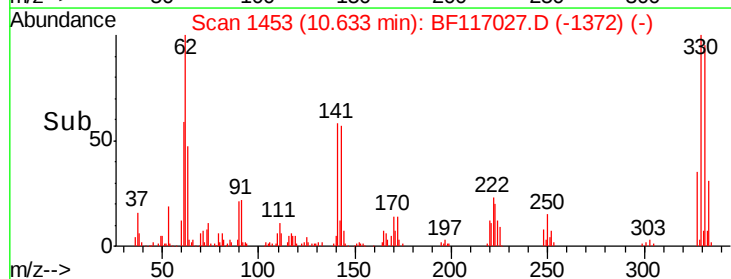
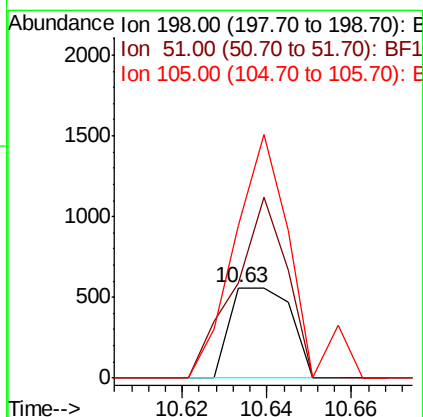
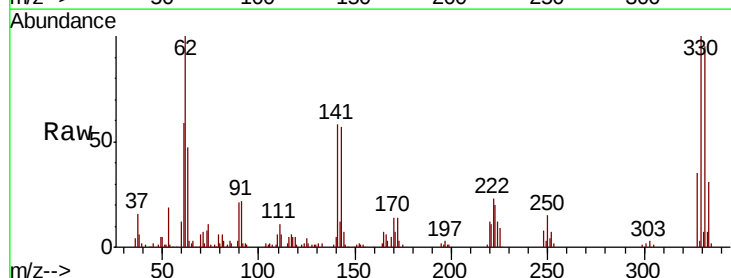
Instrument :
BNA_F
ClientSampleId :

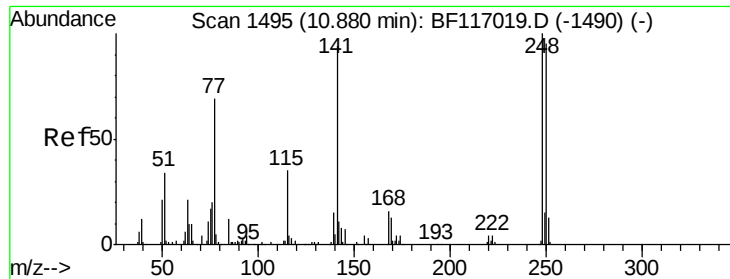
Tot Ion:188 Resp: 239898
Ion Ratio Lower Upper
188 100
94 9.0 8.2 12.2
80 10.7 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.341 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF117027.D
Acq: 13 Sep 2019 17:31

Tgt Ion:198 Resp: 560
Ion Ratio Lower Upper
198 100
51 105.4 18.7 58.7#
105 169.3 30.2 70.2#

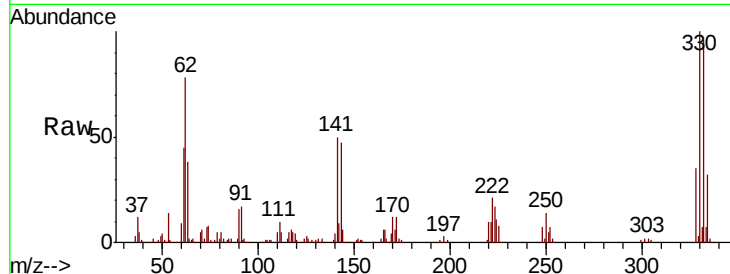




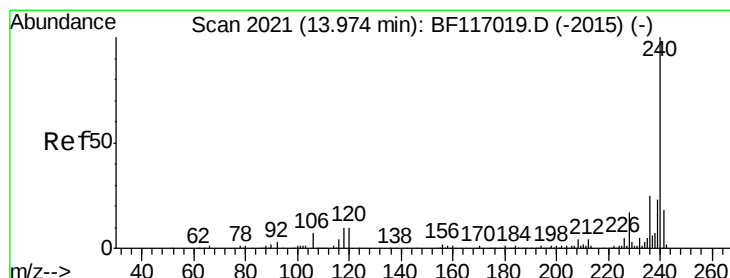
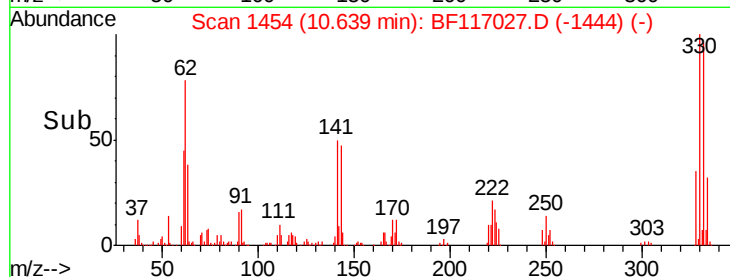
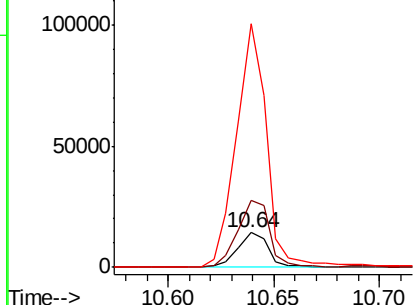
#67
4-Bromophenyl-phenylether
Concen: 5.879 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117027.D
Acq: 13 Sep 2019 17:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 14404
Ion Ratio Lower Upper
248 100
250 193.3 76.2 114.4#
141 703.6 75.0 112.4#

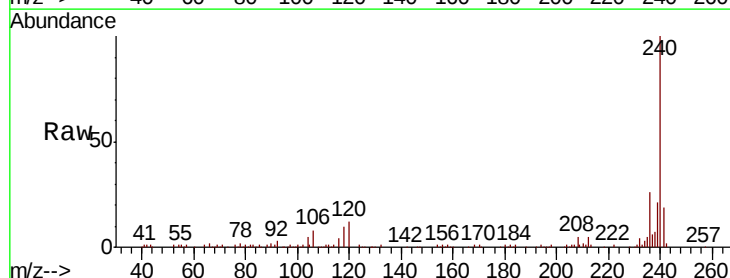


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

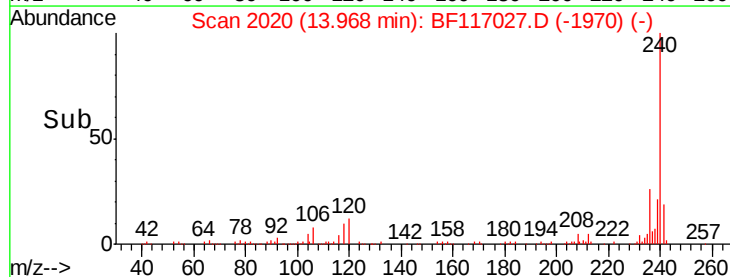
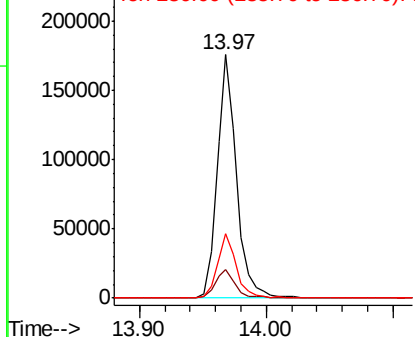


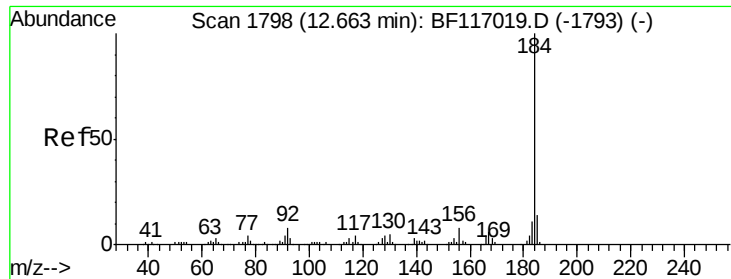
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117027.D
Acq: 13 Sep 2019 17:31

Tgt Ion:240 Resp: 186331
Ion Ratio Lower Upper
240 100
120 12.0 8.3 12.5
236 26.4 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: 2.838 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.26 min

Lab File: BF117027.D

Acq: 13 Sep 2019 17:31

Instrument :

BNA_F

ClientSampleId :

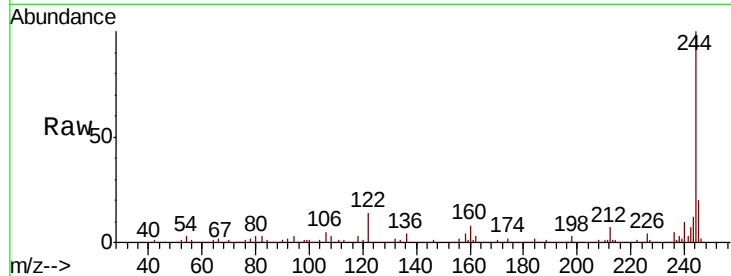
Tot Ion:184 Resp: 17034

Ion Ratio Lower Upper

184 100

185 16.7 11.6 17.4

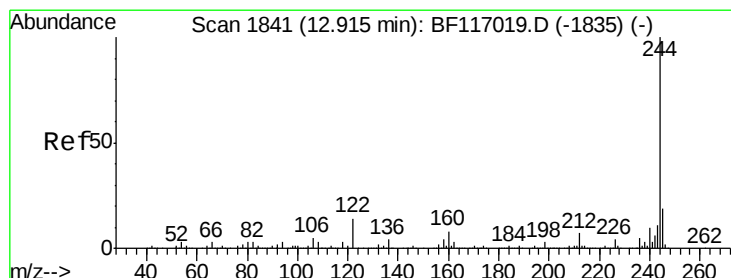
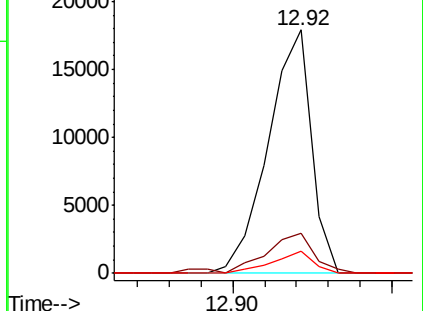
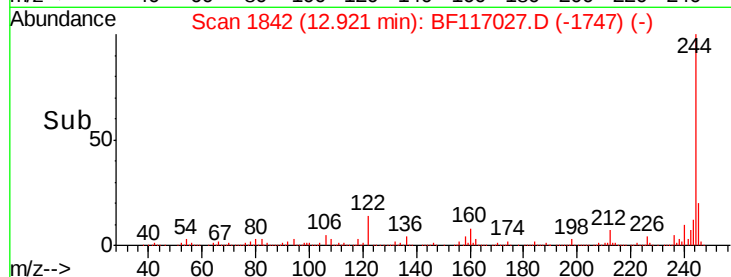
183 8.9 9.0 13.4#



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: 112.949 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BF117027.D

Acq: 13 Sep 2019 17:31

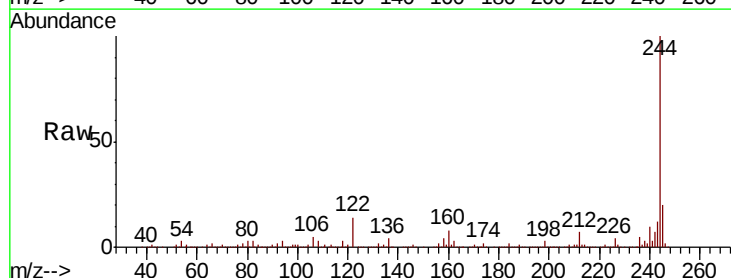
Tgt Ion:244 Resp: 1125919

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

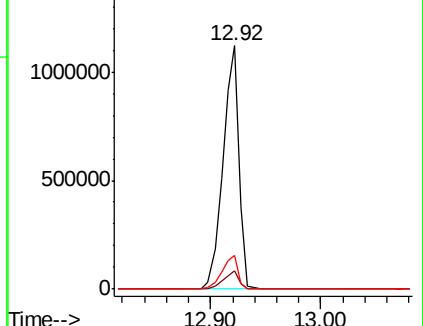
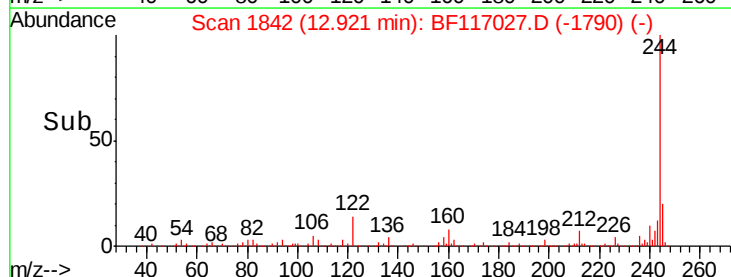
122 13.8 11.3 16.9

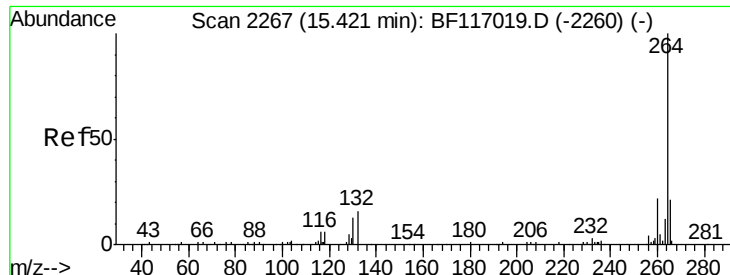


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

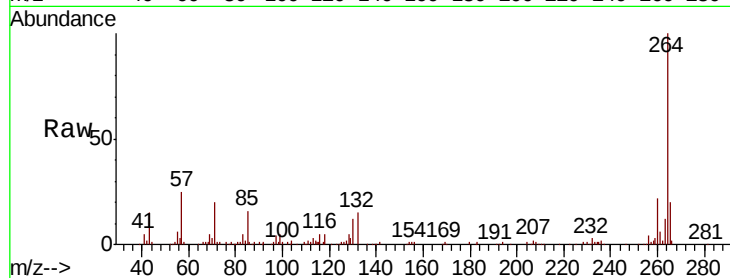




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF117027.D
 Acq: 13 Sep 2019 17:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.6	26.4
265	20.4	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

