

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
 Data File : BF117142.D
 Acq On : 18 Sep 2019 12:28
 Operator : HP/JU
 Sample : PB123115TB
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:12:15 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

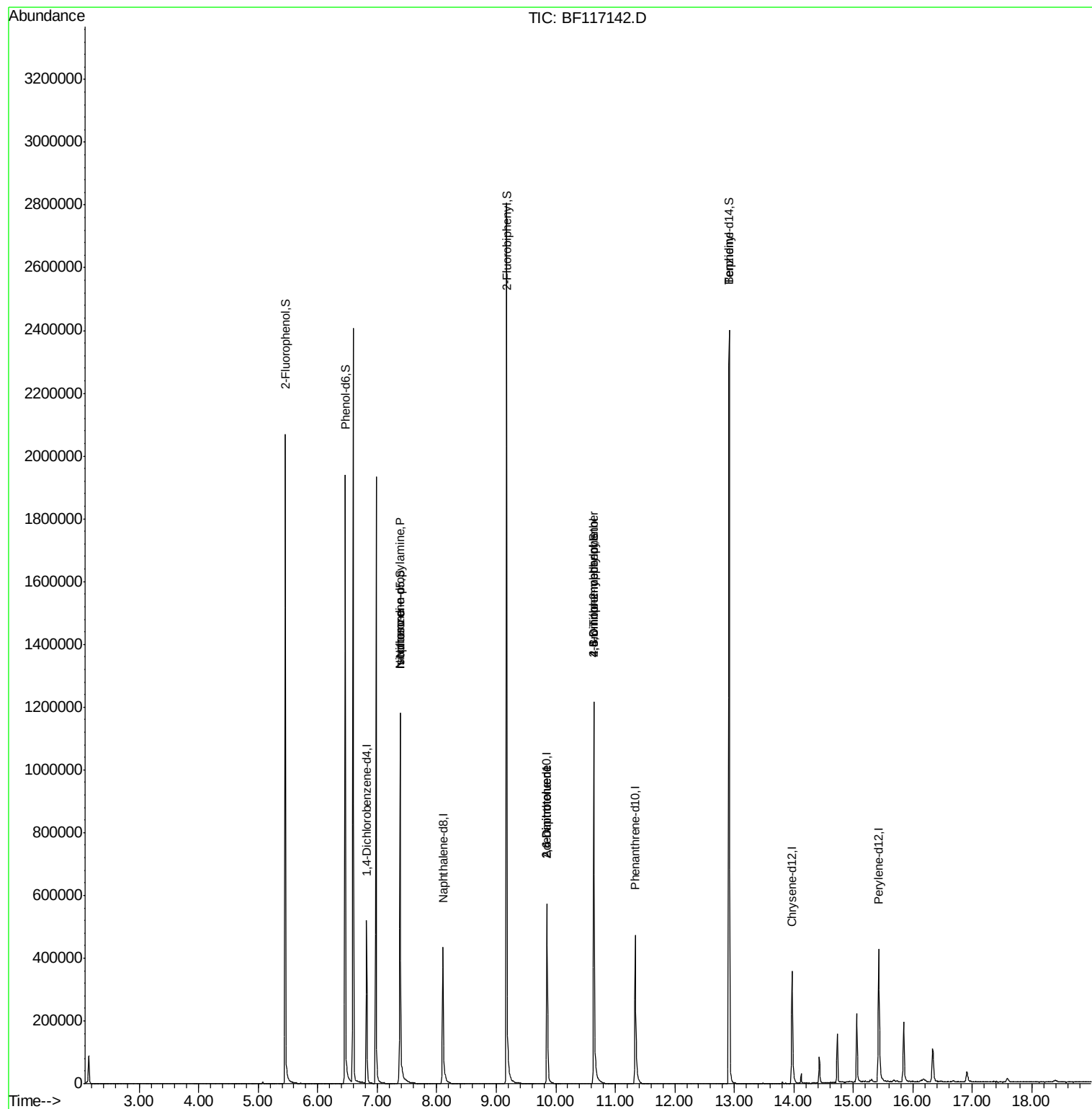
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	77919	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	314283	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	164259	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	271302	20.00	ng	0.00
76) Chrysene-d12	13.97	240	177587	20.00	ng	0.00
87) Perylene-d12	15.43	264	137235	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	601275	120.48	ng	0.02
7) Phenol-d6	6.46	99	822108	127.46	ng	0.00
23) Nitrobenzene-d5	7.39	82	523597	87.54	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	176818	128.80	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	949478	90.38	ng	0.00
79) Terphenyl-d14	12.92	244	930796	97.97	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	1078	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	67593	17.210	ng	# 1
25) Isophorone	7.39	82	523595	49.439	ng	# 79
51) 2,6-Dinitrotoluene	9.85	165	20446	8.632	ng	# 66
57) 2,4-Dinitrotoluene	9.85	165	20446	6.650	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.64	198	127	6.990	ng	# 18
67) 4-Bromophenyl-phenylether	10.64	248	10856	3.918	ng	# 1
77) Benzydine	12.91	184	12663	2.214	ng	# 93

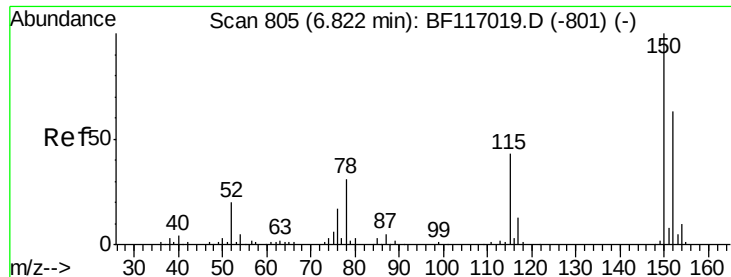
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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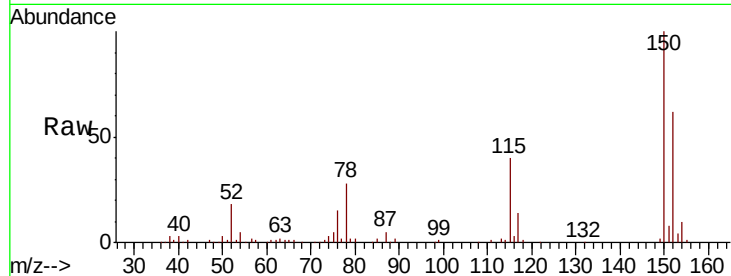


#1

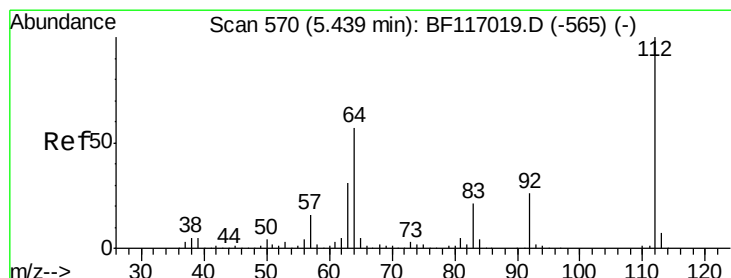
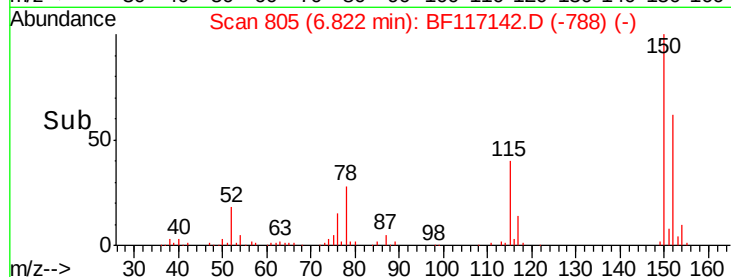
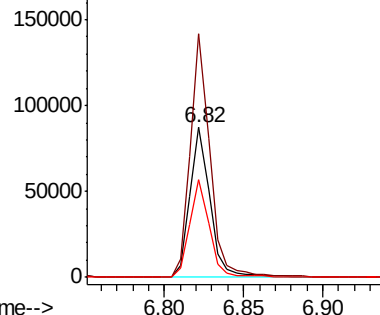
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117142.D
Acq: 18 Sep 2019 12:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 77919
Ion Ratio Lower Upper
152 100
150 162.5 127.5 191.3
115 65.1 55.0 82.4



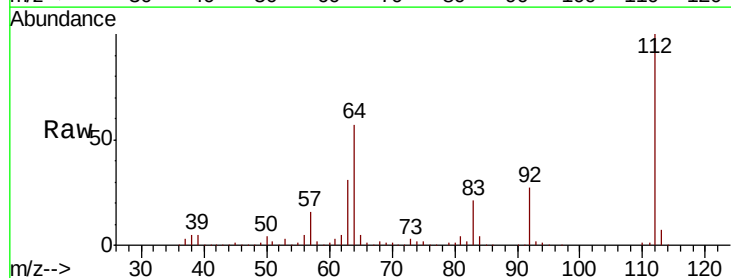
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



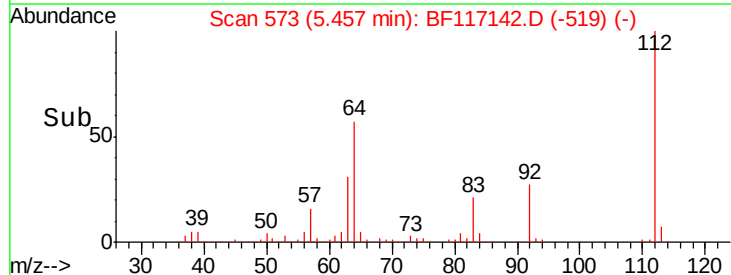
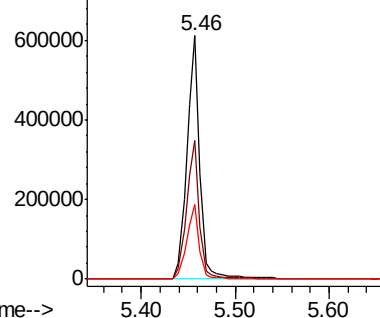
#5

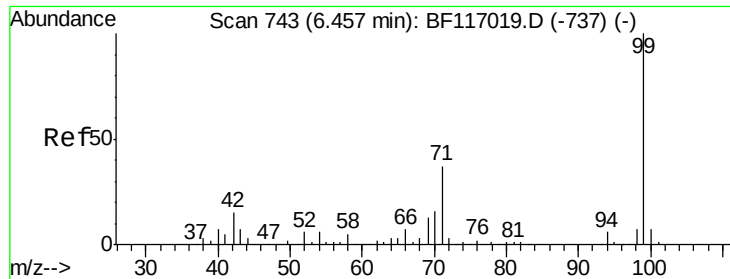
2-Fluorophenol
Concen: 120.476 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117142.D
Acq: 18 Sep 2019 12:28

Tgt Ion:112 Resp: 601275
Ion Ratio Lower Upper
112 100
64 57.0 45.7 68.5
63 30.7 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: 127.460 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117142.D

Acq: 18 Sep 2019 12:28

Instrument :

BNA_F

ClientSampled :

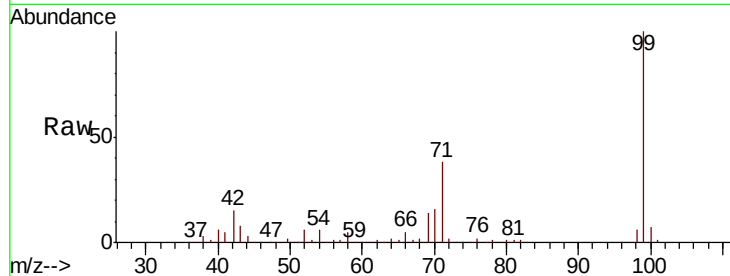
Tot Ion: 99 Resp: 822108

Ion Ratio Lower Upper

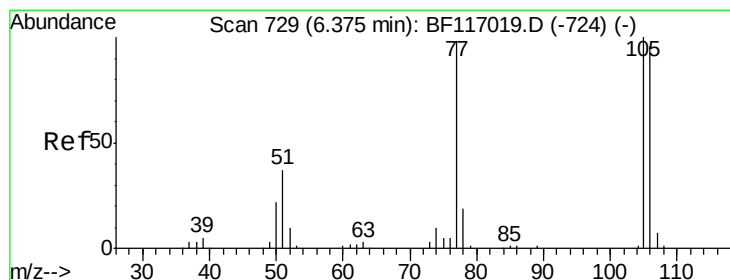
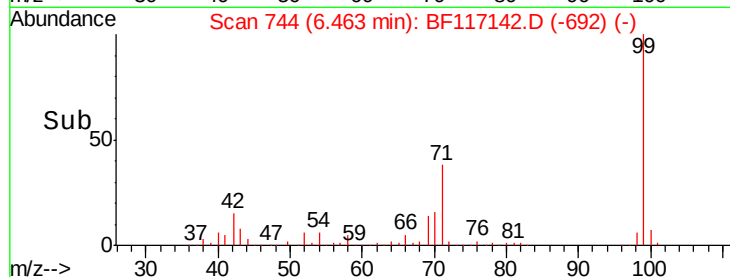
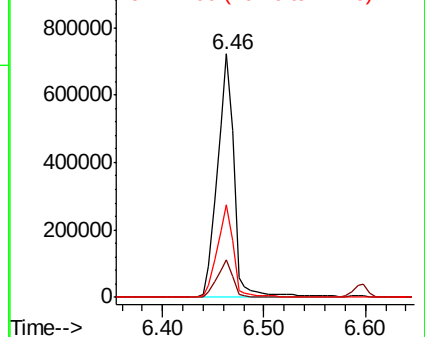
99 100

42 15.5 12.2 18.2

71 38.0 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: BF117142.D

Acq: 18 Sep 2019 12:28

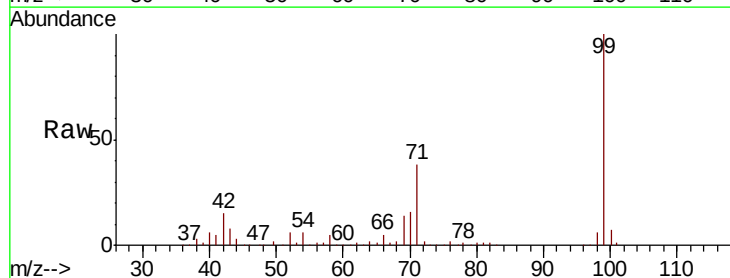
Tgt Ion: 77 Resp: 1078

Ion Ratio Lower Upper

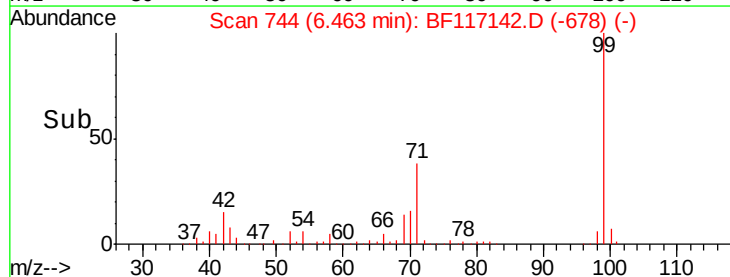
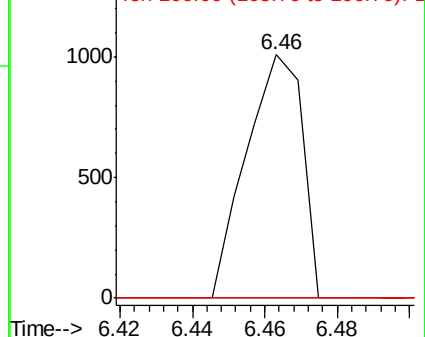
77 100

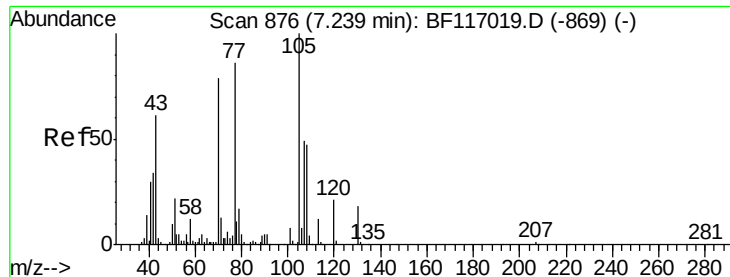
105 0.0 81.8 121.8#

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

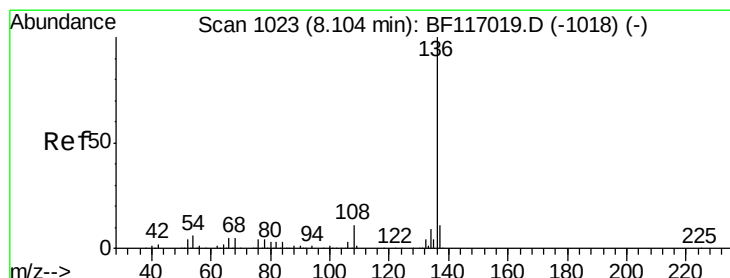
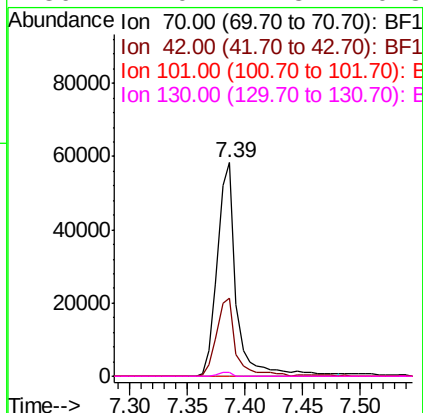
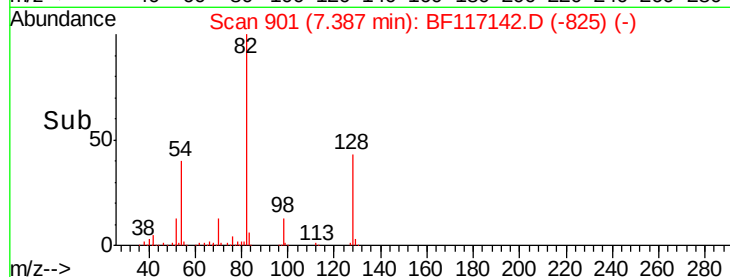
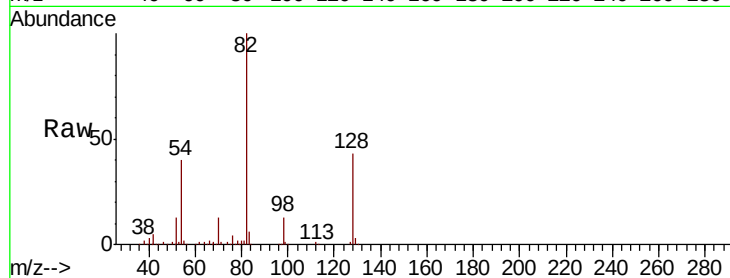




#19
n-Nitroso-di-n-propylamine
Concen: 17.210 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117142.D
Acq: 18 Sep 2019 12:28

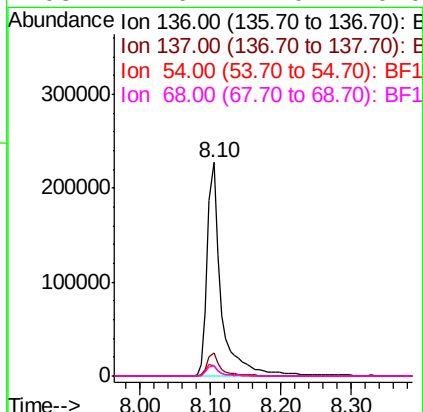
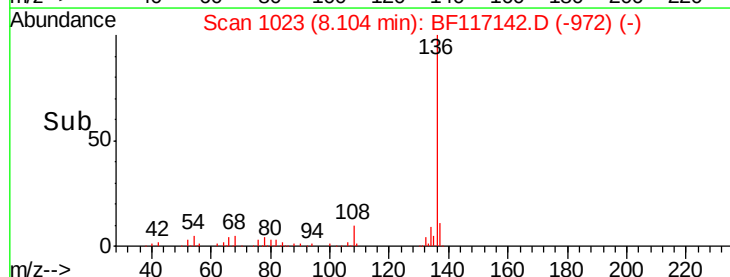
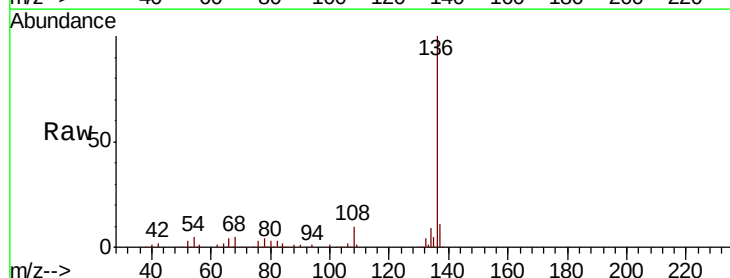
Instrument :
BNA_F
ClientSampleId :

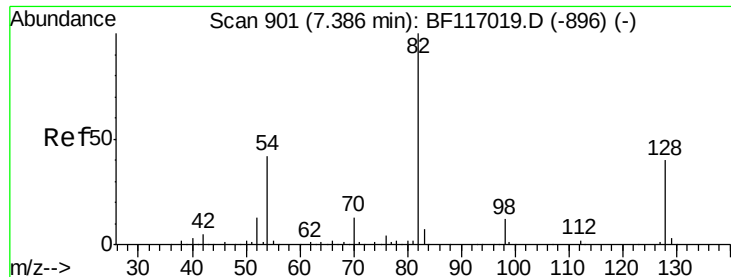
Tot Ion: 70 Resp: 67593
Ion Ratio Lower Upper
70 100
42 36.8 34.0 51.0
101 0.0 7.8 11.6#
130 2.0 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117142.D
Acq: 18 Sep 2019 12:28

Tgt Ion: 136 Resp: 314283
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 4.8 4.5 6.7
68 4.6 4.0 6.0

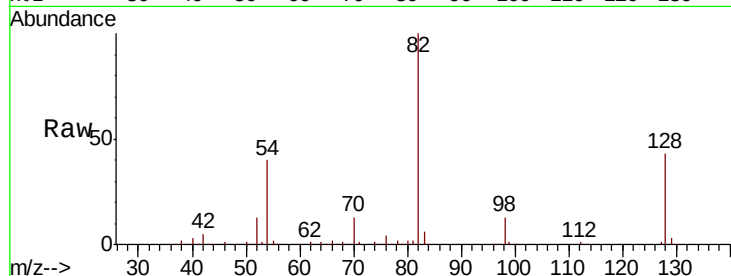




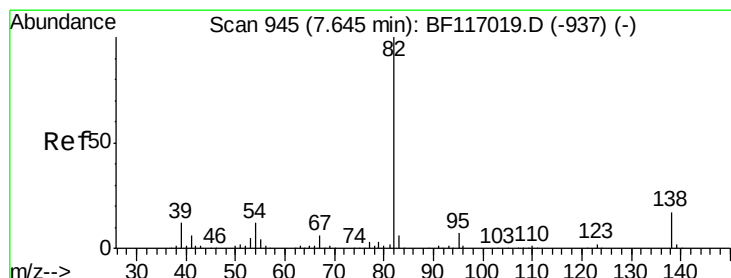
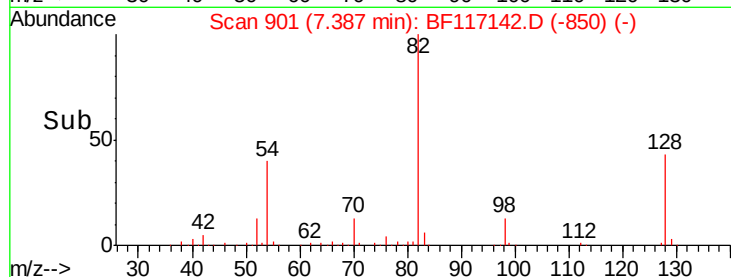
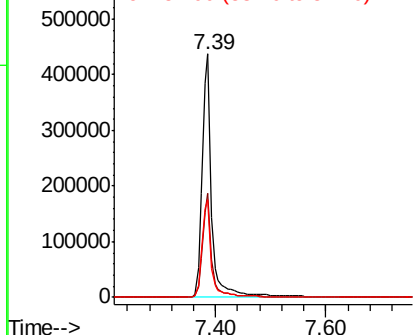
#23
Nitrobenzene-d5
Concen: 87.536 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF117142.D
Acq: 18 Sep 2019 12:28

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	523597
Ion Ratio	100	Lower	Upper
128	42.9	32.3	48.5
54	40.2	33.3	49.9

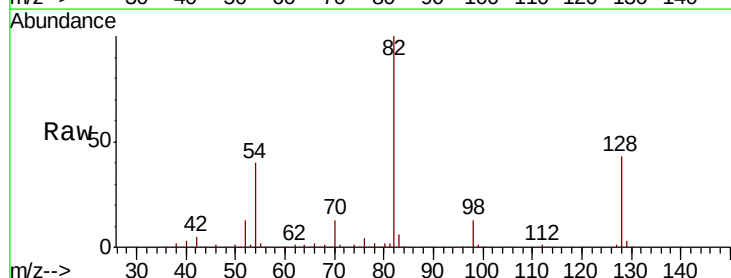


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

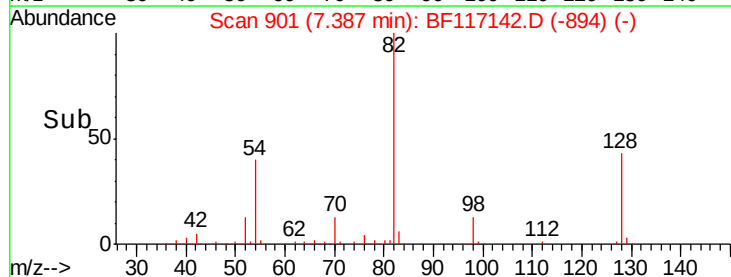
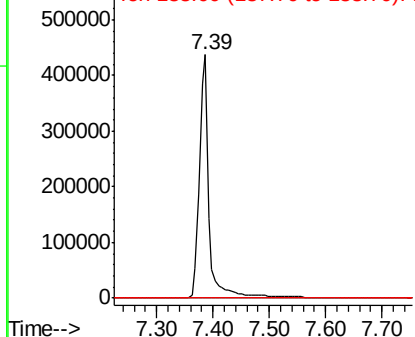


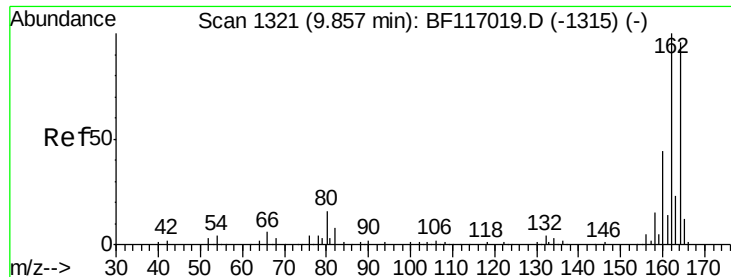
#25
Isophorone
Concen: 49.439 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF117142.D
Acq: 18 Sep 2019 12:28

Tgt Ion	82	Resp	523595
Ion Ratio	100	Lower	Upper
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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117142.D

Acq: 18 Sep 2019 12:28

Instrument :

BNA_F

ClientSampleId :

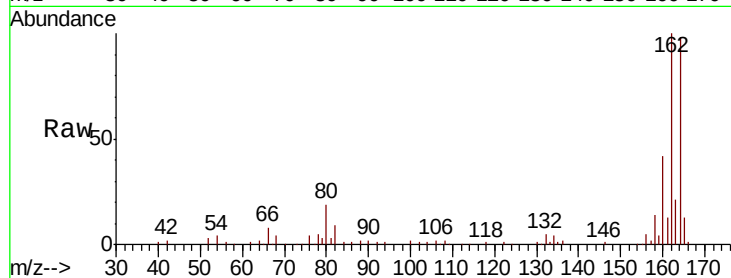
Tot Ion:164 Resp: 164259

Ion Ratio Lower Upper

164 100

162 102.4 83.4 125.2

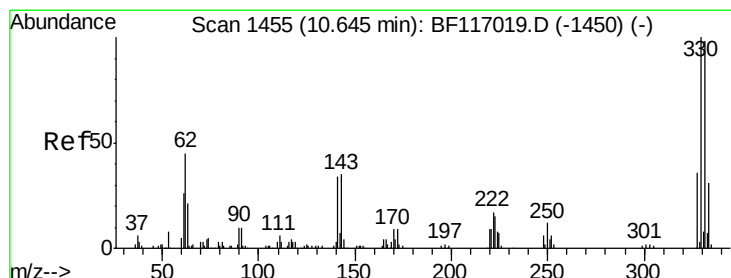
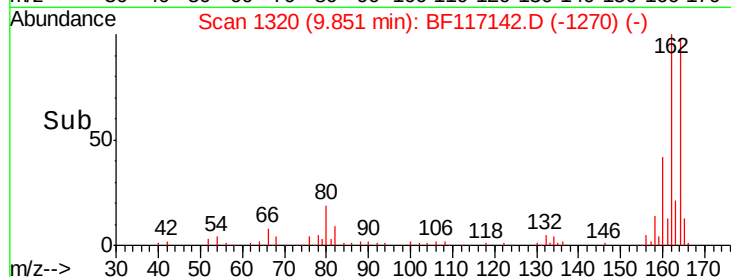
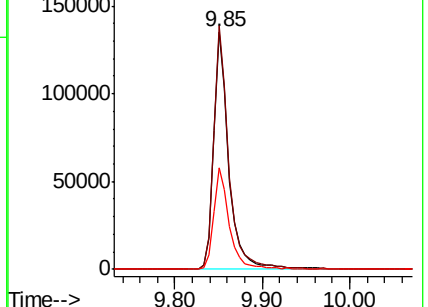
160 43.0 36.4 54.6



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: 128.798 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117142.D

Acq: 18 Sep 2019 12:28

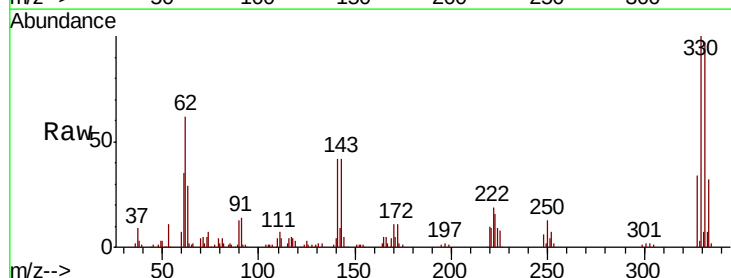
Tgt Ion:330 Resp: 176818

Ion Ratio Lower Upper

330 100

332 93.3 78.0 117.0

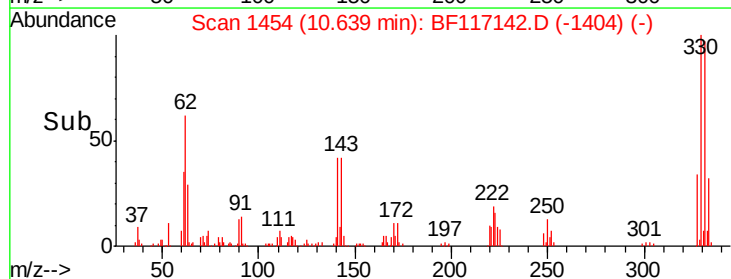
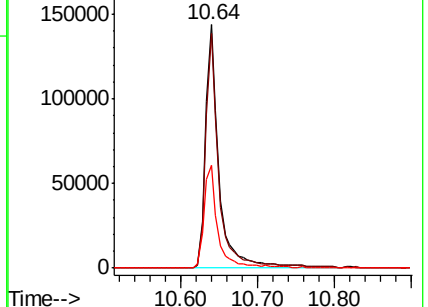
141 43.5 35.8 53.6

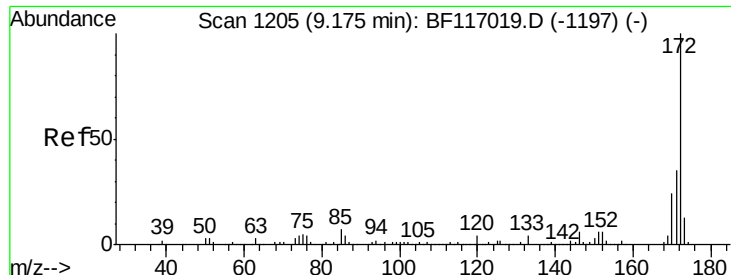


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

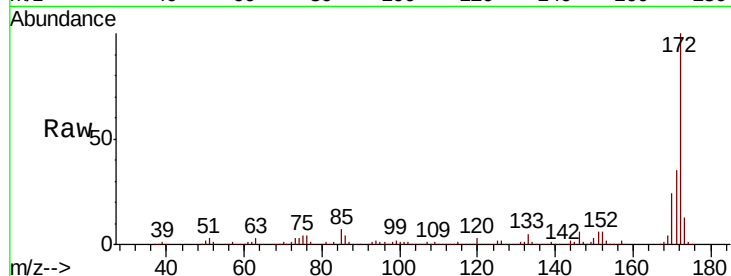




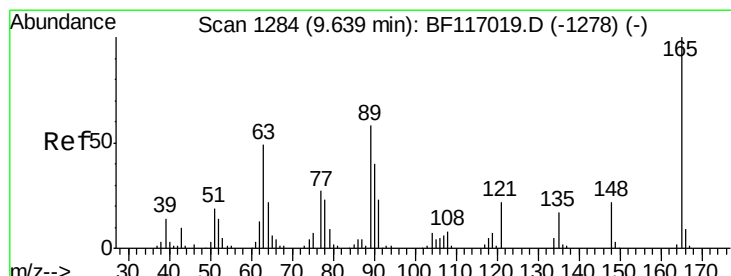
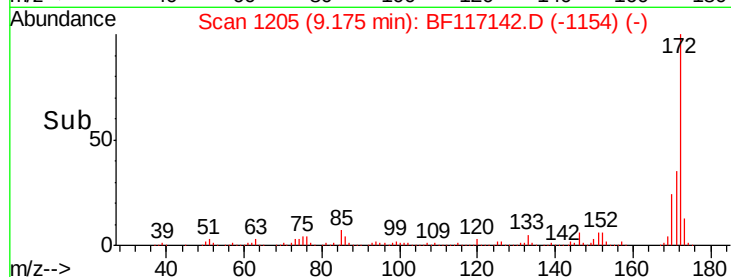
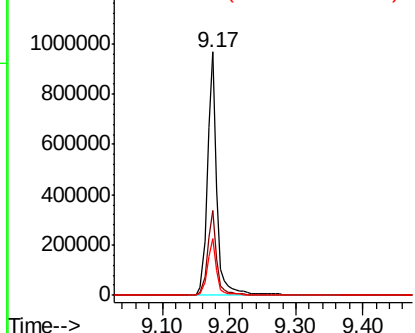
#45
2-Fluorobiphenyl
Concen: 90.380 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117142.D
Acq: 18 Sep 2019 12:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 949478
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 23.5 18.9 28.3

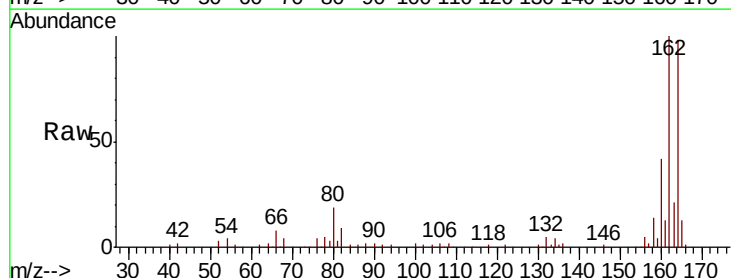


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

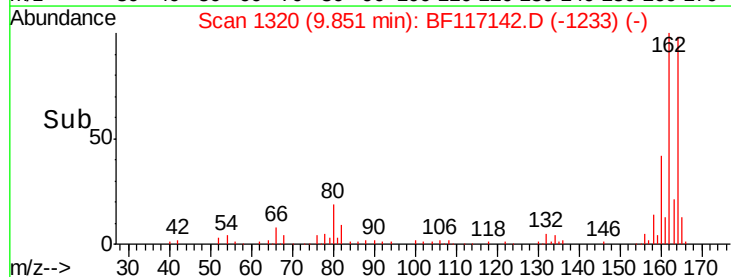
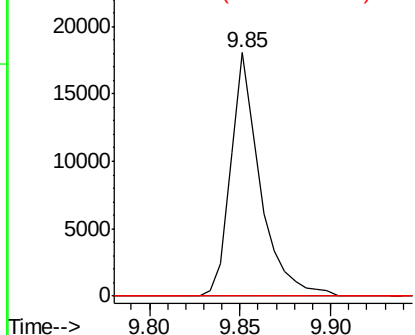


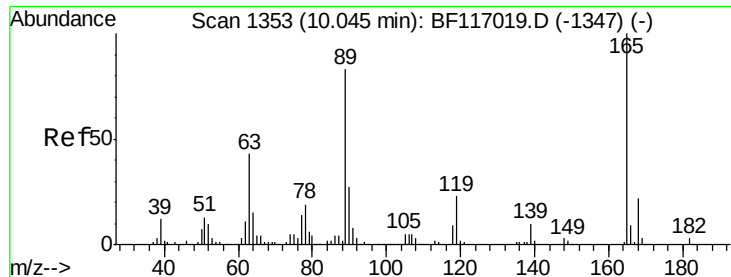
#51
2,6-Dinitrotoluene
Concen: 8.632 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF117142.D
Acq: 18 Sep 2019 12:28

Tgt Ion:165 Resp: 20446
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

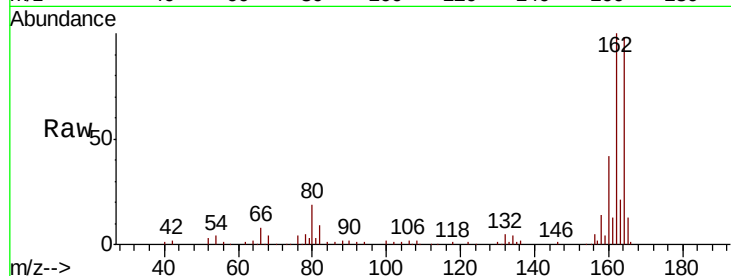




#57
 2,4-Dinitrotoluene
 Concen: 6.650 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117142.D
 Acq: 18 Sep 2019 12:28

Instrument :
 BNA_F
 ClientSampled :

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#

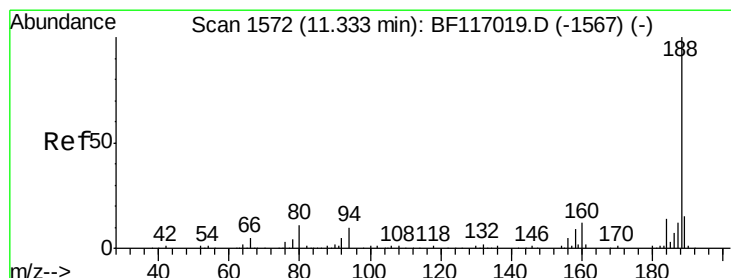
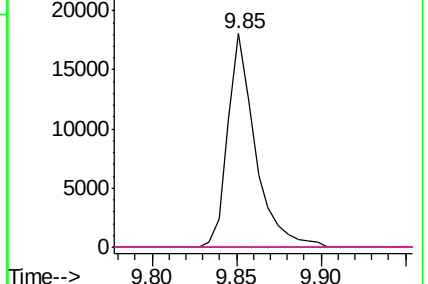
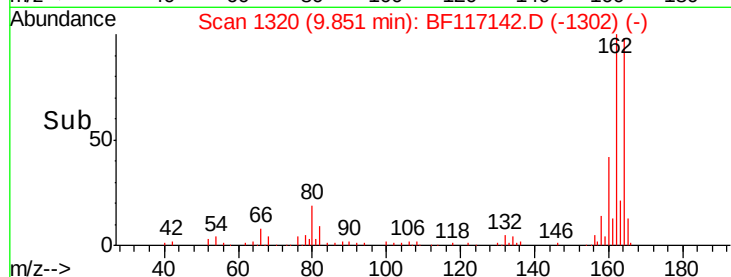


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

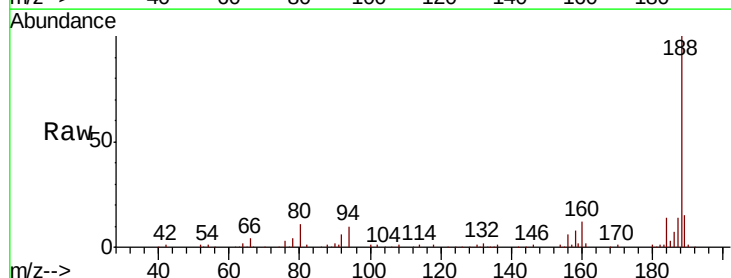
Ion 89.00 (88.70 to 89.70): BF1

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: BF117142.D
 Acq: 18 Sep 2019 12:28

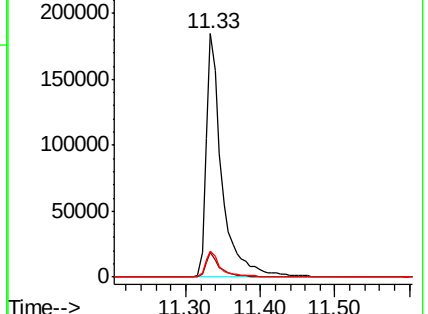
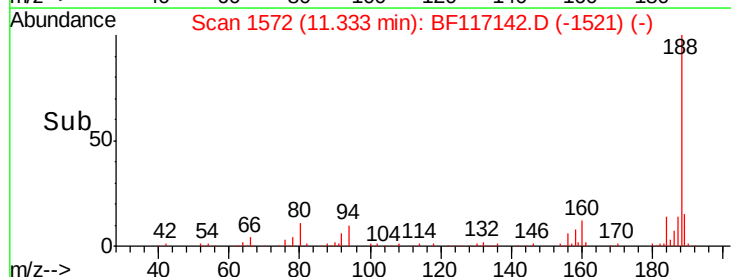
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.2	12.2
80	10.7	9.0	13.6

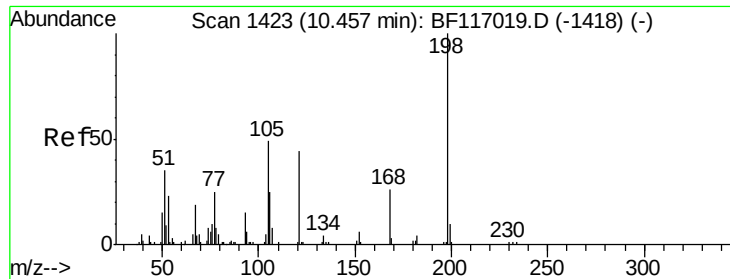


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.990 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF117142.D

Acq: 18 Sep 2019 12:28

Instrument :

BNA_F

ClientSampled :

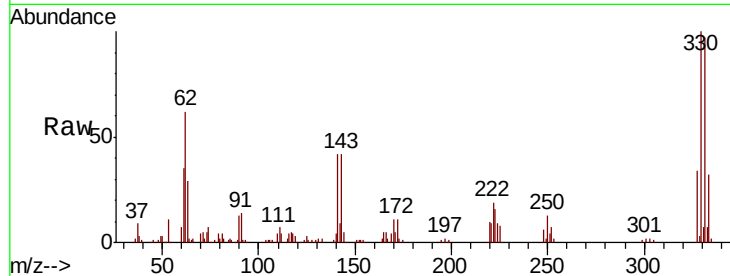
Tot Ion:198 Resp: 127

Ion Ratio Lower Upper

198 100

51 147.6 18.7 58.7#

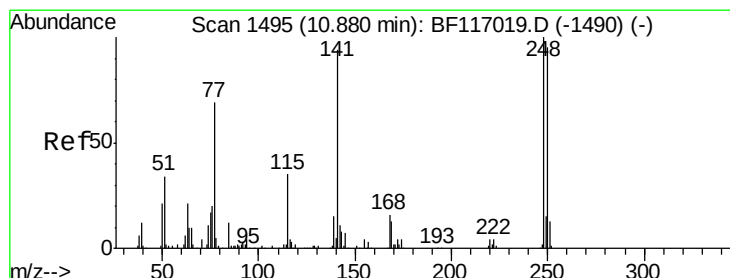
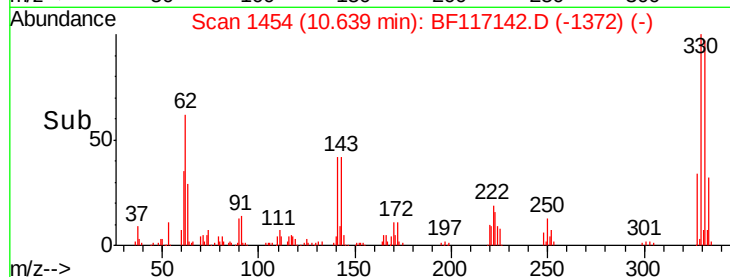
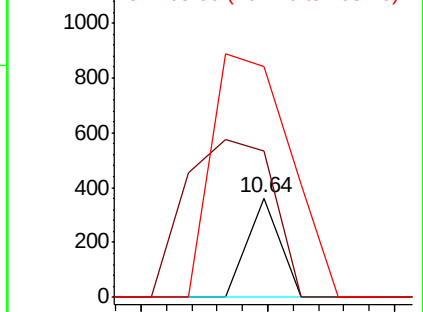
105 232.7 30.2 70.2#



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: 3.918 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF117142.D

Acq: 18 Sep 2019 12:28

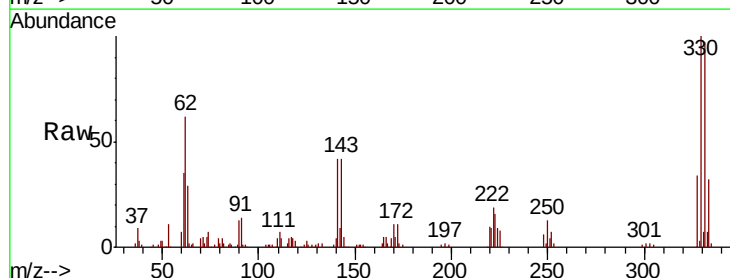
Tgt Ion:248 Resp: 10856

Ion Ratio Lower Upper

248 100

250 209.5 76.2 114.4#

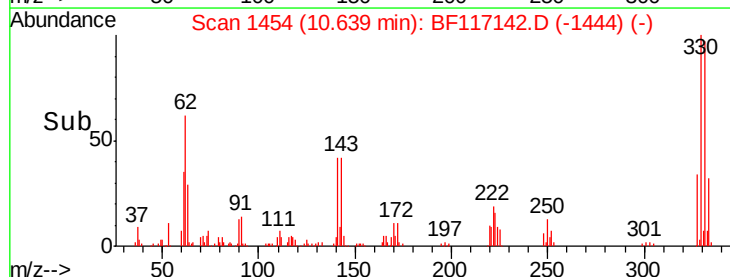
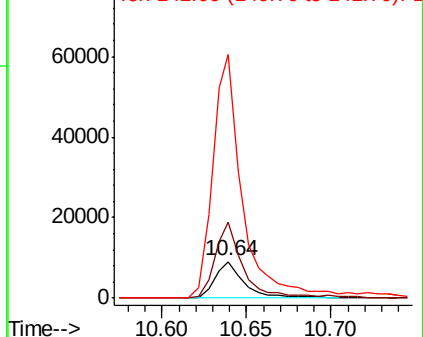
141 667.3 75.0 112.4#

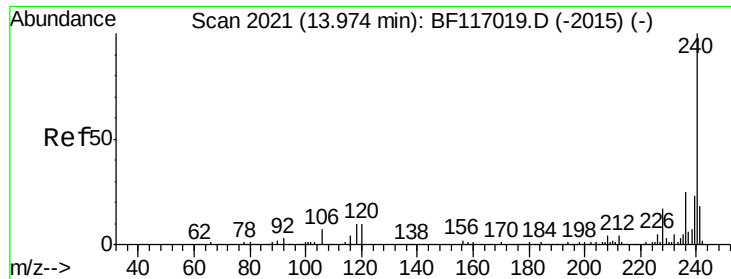


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

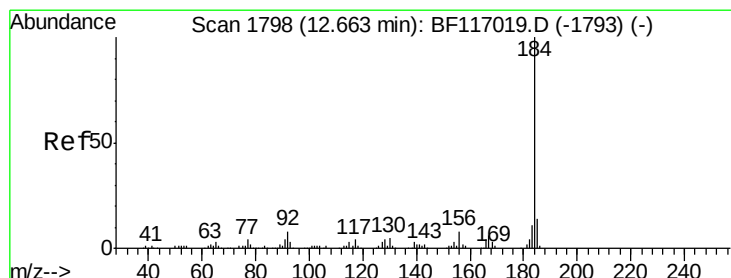
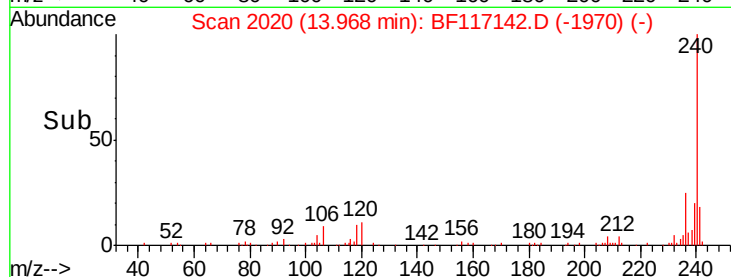
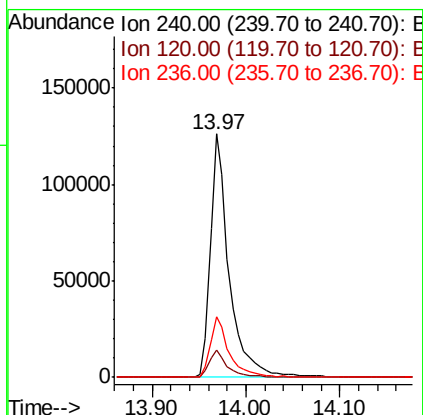
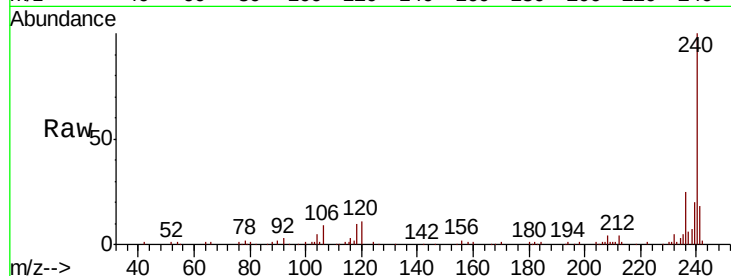




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117142.D
Acq: 18 Sep 2019 12:28

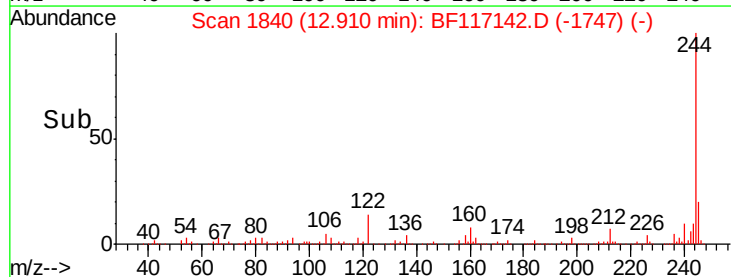
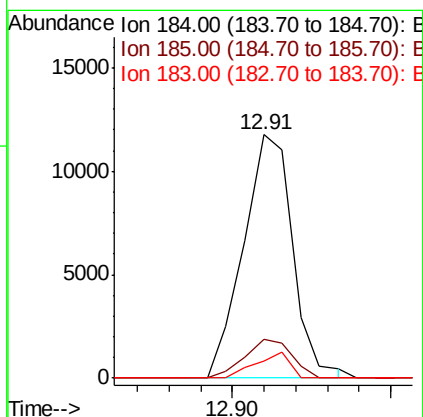
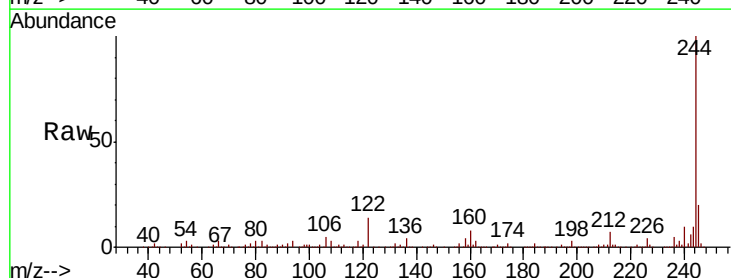
Instrument :
BNA_F
ClientSampleId :

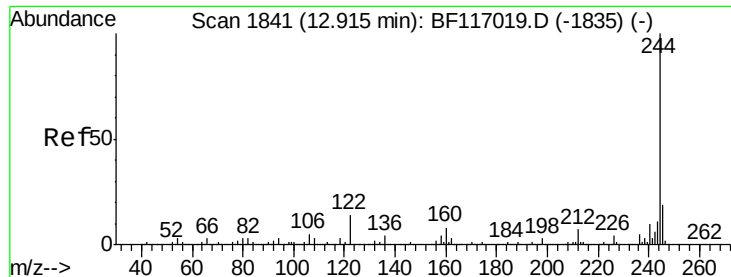
Tot Ion:240 Resp: 177587
Ion Ratio Lower Upper
240 100
120 11.1 8.3 12.5
236 25.0 20.3 30.5



#77
Benzidine
Concen: 2.214 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.25 min
Lab File: BF117142.D
Acq: 18 Sep 2019 12:28

Tgt Ion:184 Resp: 12663
Ion Ratio Lower Upper
184 100
185 16.1 11.6 17.4
183 7.3 9.0 13.4#

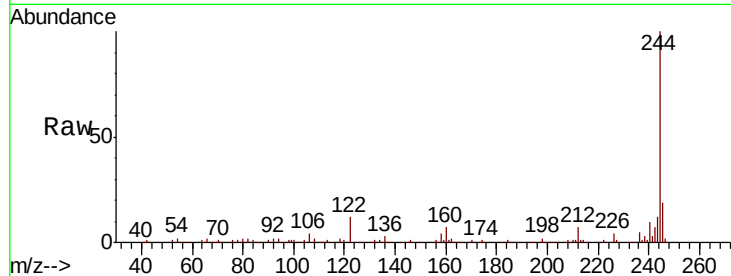




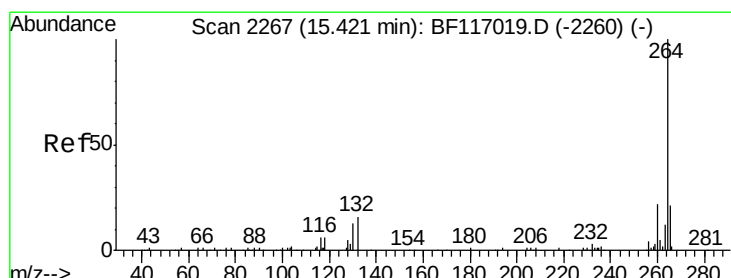
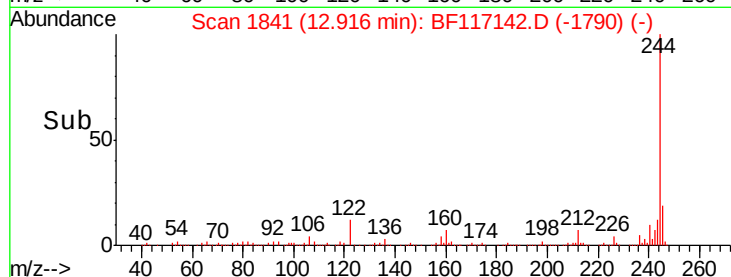
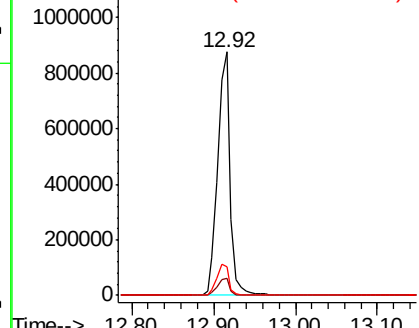
#79
 Terphenyl-d14
 Concen: 97.973 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117142.D
 Acq: 18 Sep 2019 12:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 930796
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 11.5 11.3 16.9

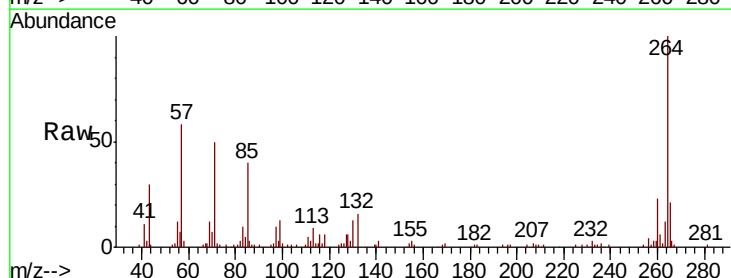


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF117142.D
 Acq: 18 Sep 2019 12:28

Tgt Ion:264 Resp: 137235
 Ion Ratio Lower Upper
 264 100
 260 23.0 17.6 26.4
 265 21.2 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

