

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
 Data File : BF117154.D
 Acq On : 18 Sep 2019 19:34
 Operator : HP/JU
 Sample : K4669-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:15:26 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

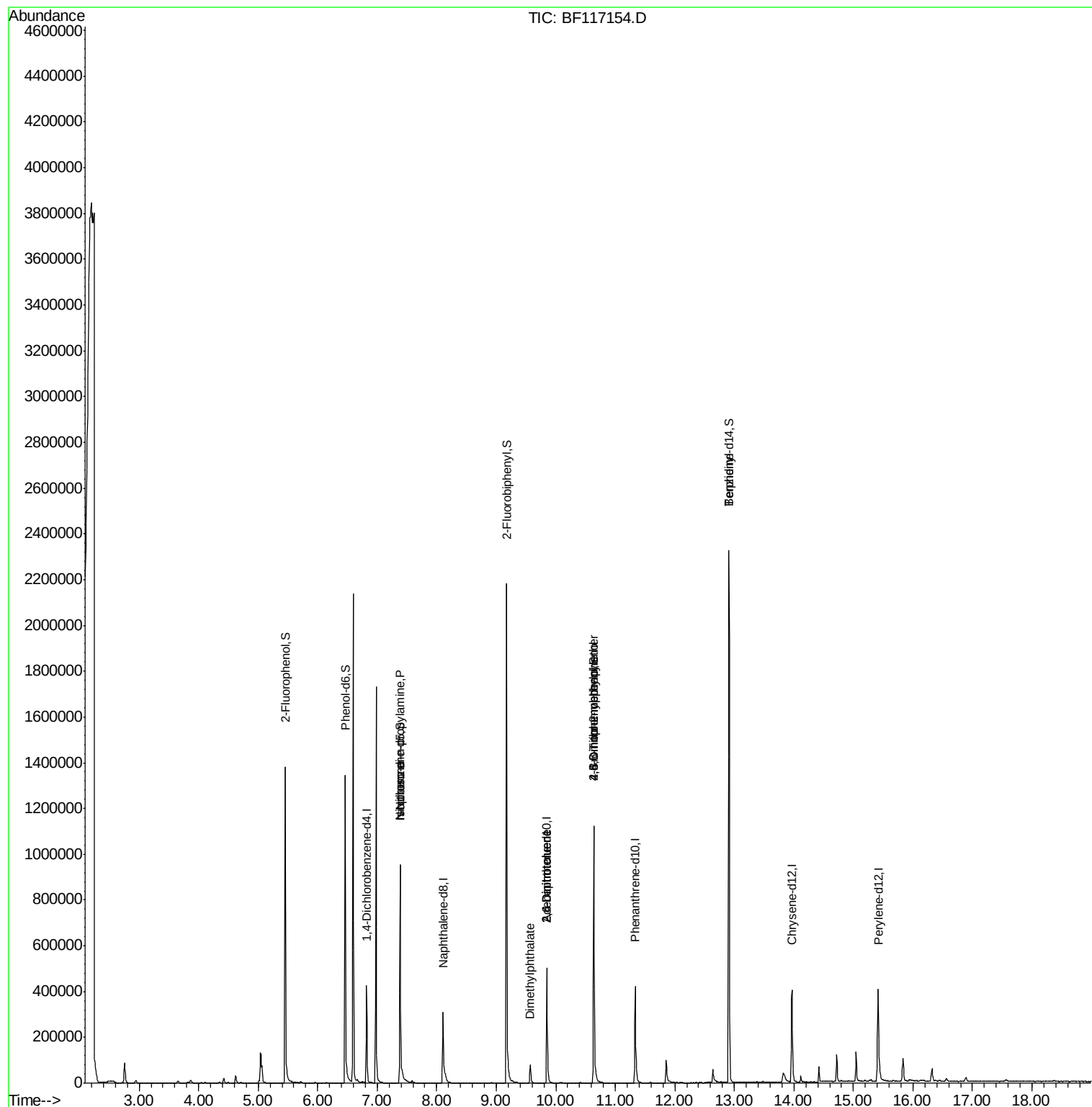
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	62951	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	237837	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	124673	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	213012	20.00	ng	0.00
76) Chrysene-d12	13.97	240	178060	20.00	ng	0.00
87) Perylene-d12	15.42	264	182232	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	471492	116.93	ng	0.02
7) Phenol-d6	6.46	99	547725	105.11	ng	0.00
23) Nitrobenzene-d5	7.39	82	451741	99.80	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	158038	151.67	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	793970	99.58	ng	0.00
79) Terphenyl-d14	12.91	244	824370	86.54	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	708	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	60083	18.935	ng	# 1
25) Isophorone	7.39	82	451925	56.387	ng	# 78
50) Dimethylphthalate	9.57	163	50373	5.706	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	16215	9.019	ng	# 99
57) 2,4-Dinitrotoluene	9.85	165	16215	6.948	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.64	198	124	7.012	ng	# 18
67) 4-Bromophenyl-phenylether	10.64	248	9915	4.558	ng	# 1
77) Benzidine	12.91	184	11648	2.031	ng	# 93

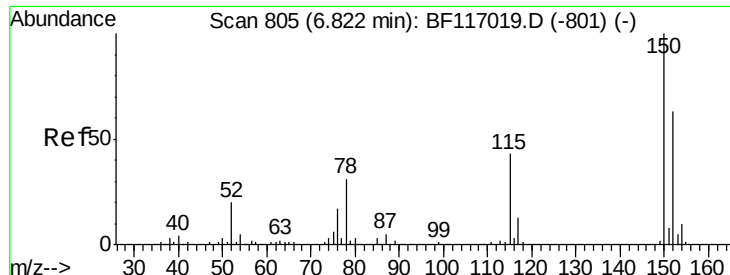
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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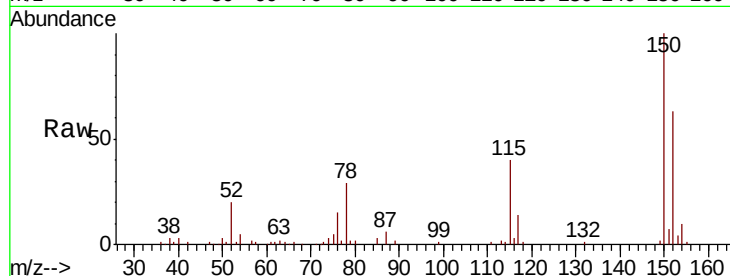


#1

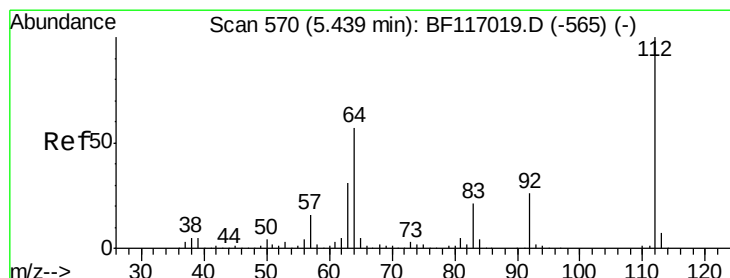
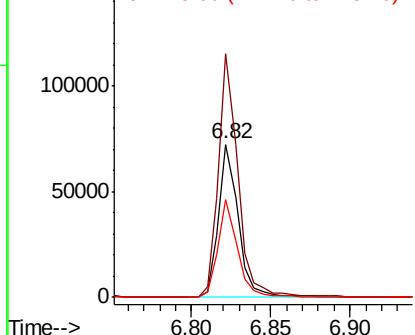
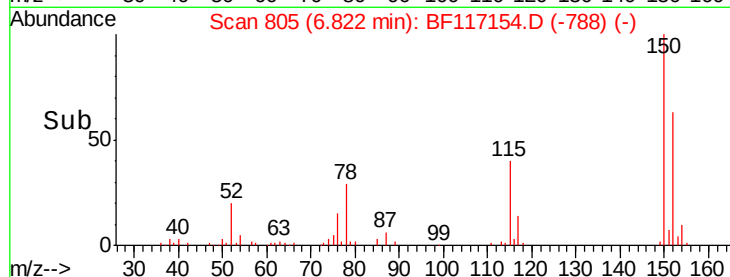
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117154.D
Acq: 18 Sep 2019 19:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 62951
Ion Ratio Lower Upper
152 100
150 159.4 127.5 191.3
115 64.0 55.0 82.4



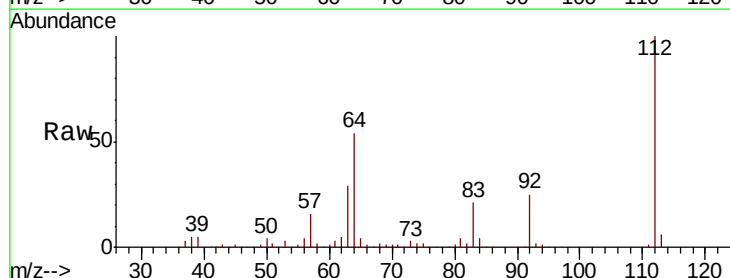
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



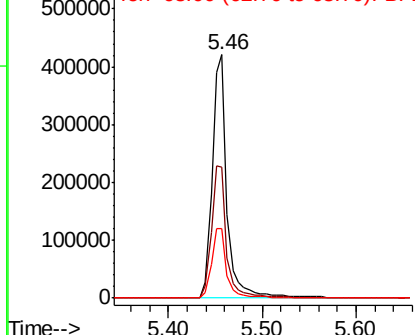
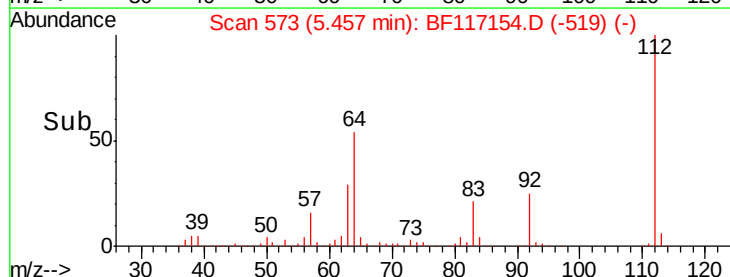
#5

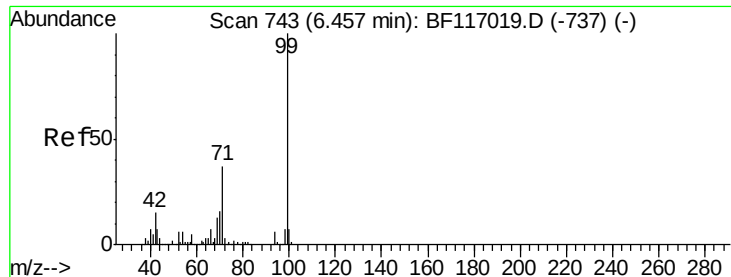
2-Fluorophenol
Concen: 116.935 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117154.D
Acq: 18 Sep 2019 19:34

Tgt Ion:112 Resp: 471492
Ion Ratio Lower Upper
112 100
64 53.9 45.7 68.5
63 28.8 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: 105.111 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117154.D

Acq: 18 Sep 2019 19:34

Instrument :

BNA_F

ClientSampleId :

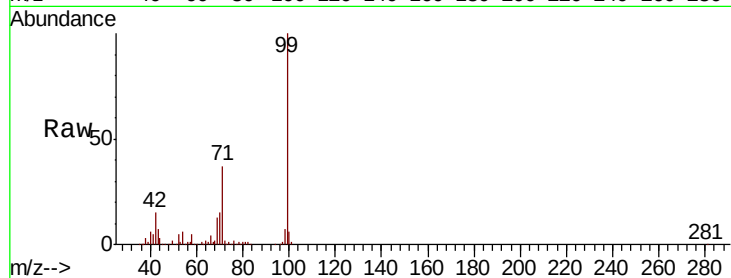
Tot Ion: 99 Resp: 547725

Ion Ratio Lower Upper

99 100

42 14.5 12.2 18.2

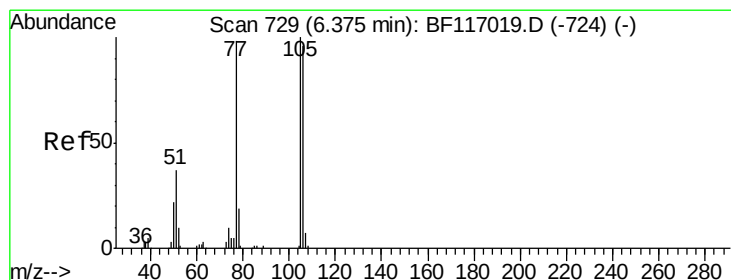
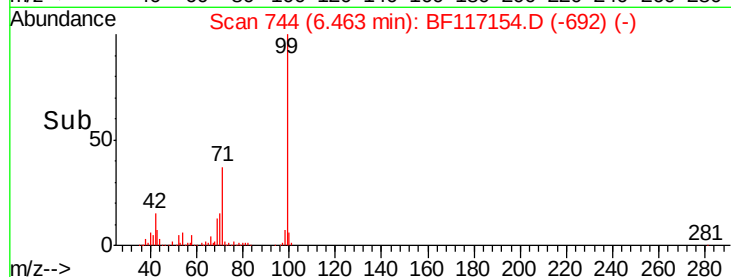
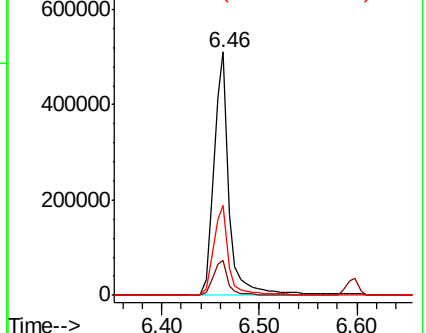
71 36.8 29.8 44.8



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: BF117154.D

Acq: 18 Sep 2019 19:34

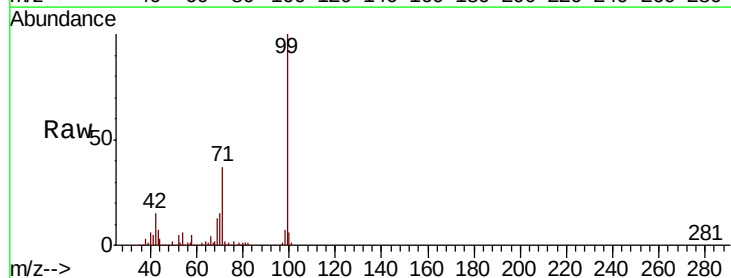
Tgt Ion: 77 Resp: 708

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

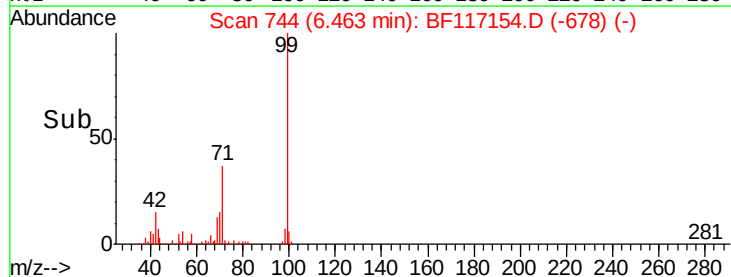
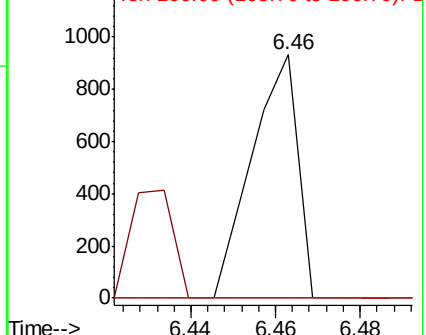
106 0.0 77.3 117.3#

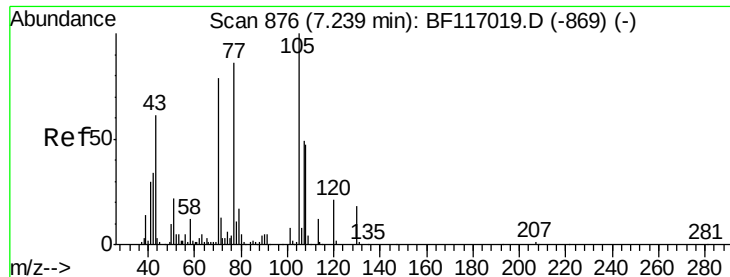


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

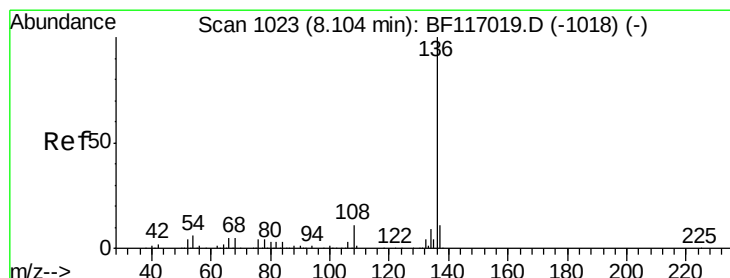
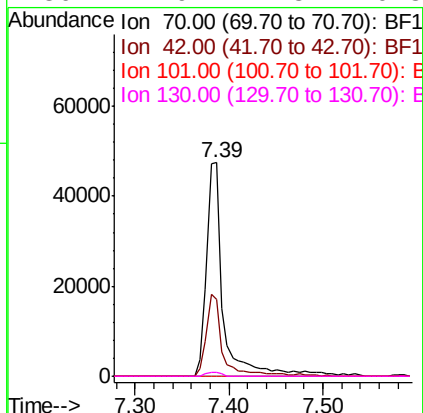
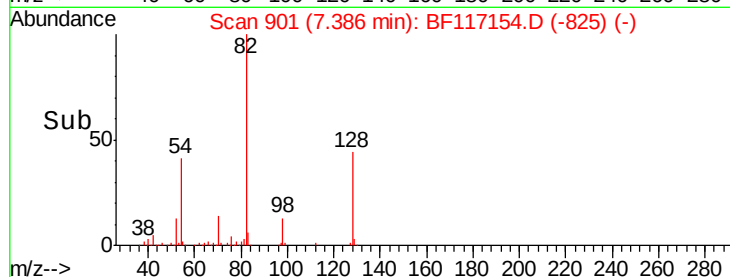
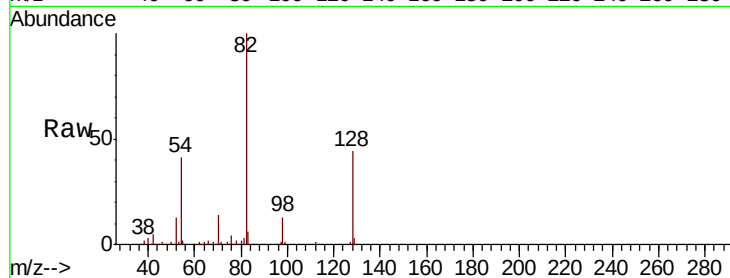




#19
n-Nitroso-di-n-propylamine
Concen: 18.935 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117154.D
Acq: 18 Sep 2019 19:34

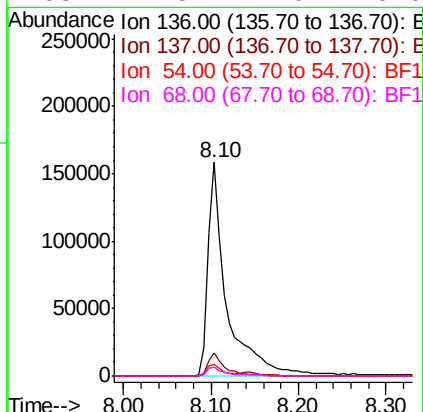
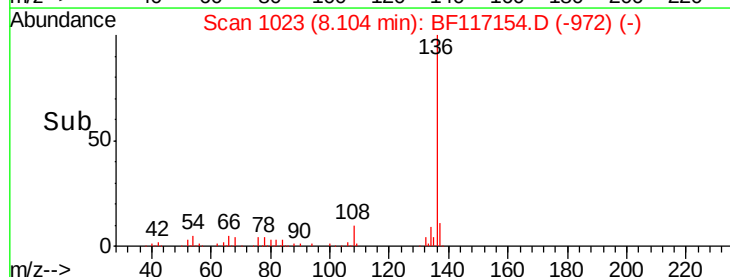
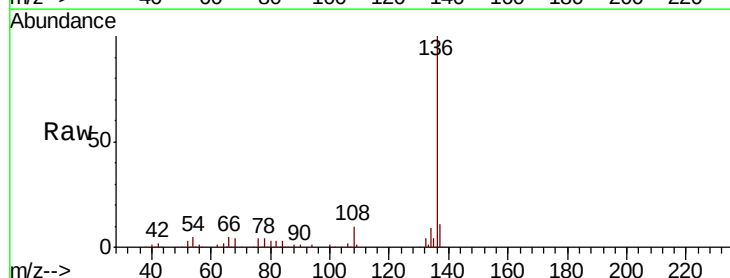
Instrument :
BNA_F
ClientSampleId :

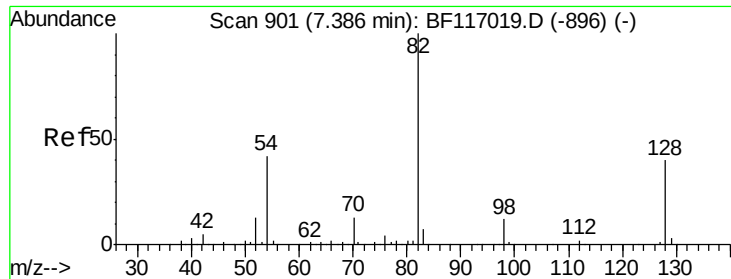
Tot Ion: 70 Resp: 60083
Ion Ratio Lower Upper
70 100
42 36.1 34.0 51.0
101 0.0 7.8 11.6#
130 1.9 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117154.D
Acq: 18 Sep 2019 19:34

Tgt Ion: 136 Resp: 237837
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 5.1 4.5 6.7
68 4.5 4.0 6.0

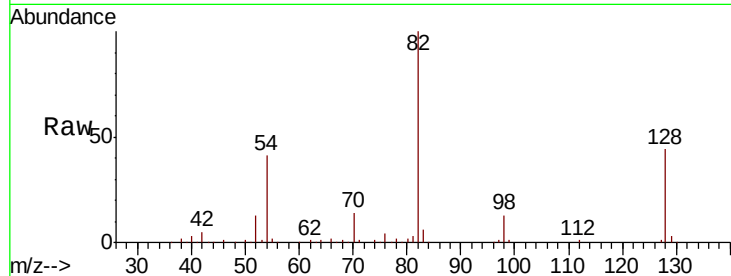




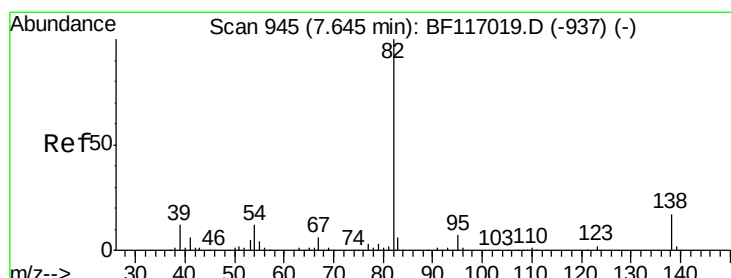
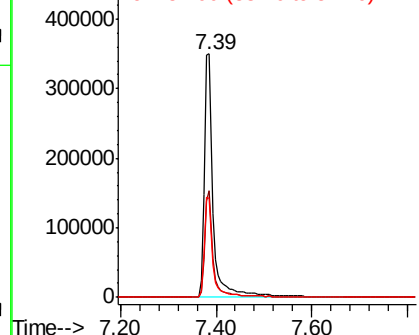
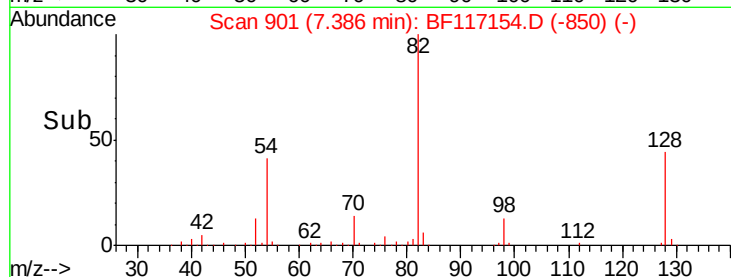
#23
 Nitrobenzene-d5
 Concen: 99.798 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117154.D
 Acq: 18 Sep 2019 19:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	451741
Ion Ratio	100	Lower	Upper
128	43.9	32.3	48.5
54	40.8	33.3	49.9

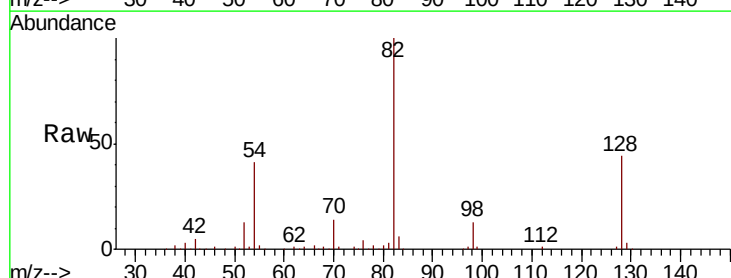


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

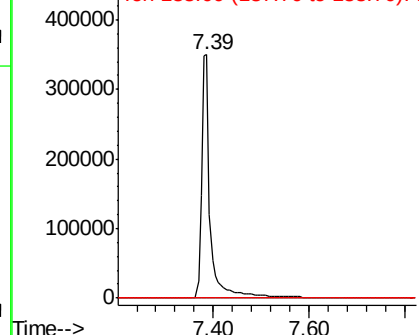
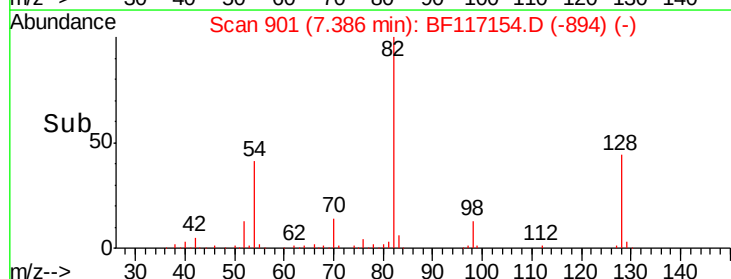


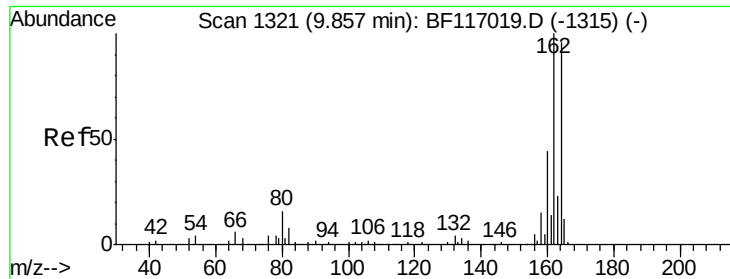
#25
 Isophorone
 Concen: 56.387 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.26 min
 Lab File: BF117154.D
 Acq: 18 Sep 2019 19:34

Tgt Ion	82	Resp	451925
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

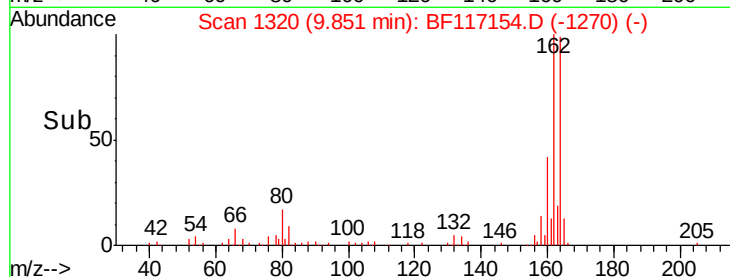
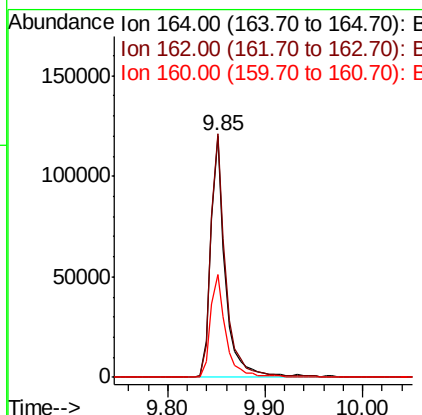
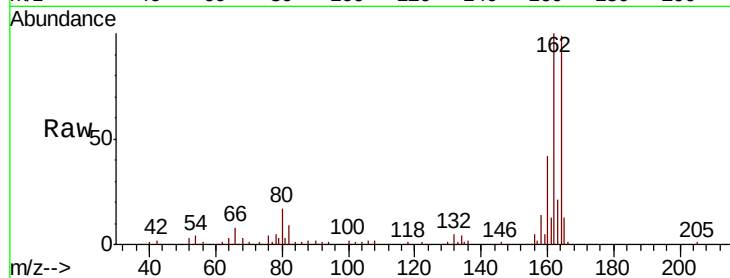




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF117154.D
 Acq: 18 Sep 2019 19:34

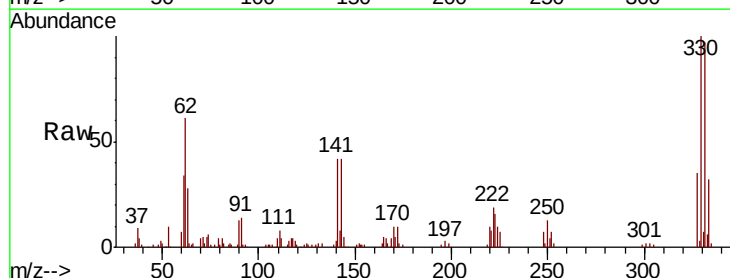
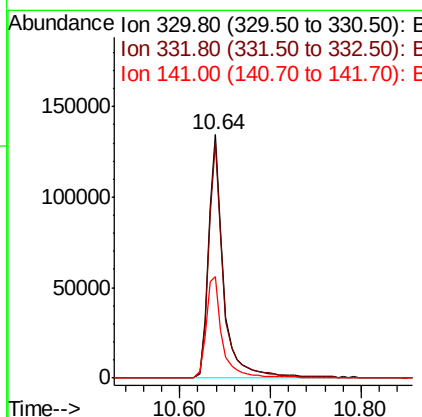
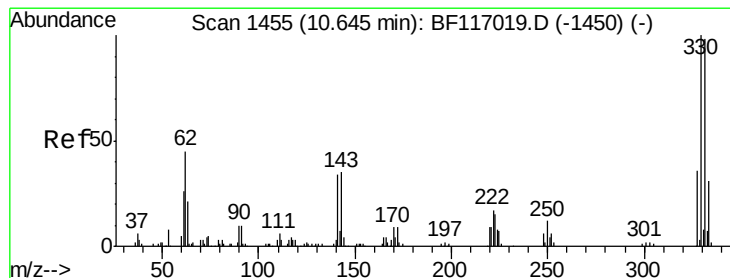
Instrument :
 BNA_F
 ClientSampleId :

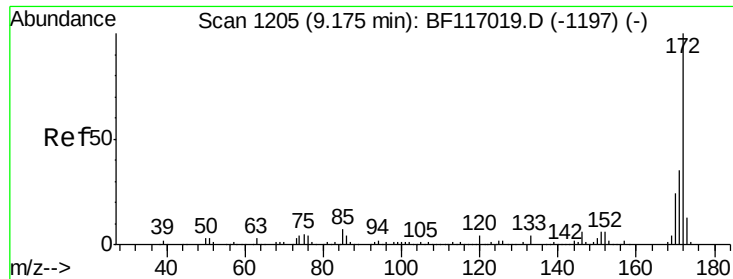
Tot Ion:164 Resp: 124673
 Ion Ratio Lower Upper
 164 100
 162 100.7 83.4 125.2
 160 42.6 36.4 54.6



#42
 2,4,6-Tribromophenol
 Concen: 151.671 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117154.D
 Acq: 18 Sep 2019 19:34

Tgt Ion:330 Resp: 158038
 Ion Ratio Lower Upper
 330 100
 332 96.7 78.0 117.0
 141 44.9 35.8 53.6

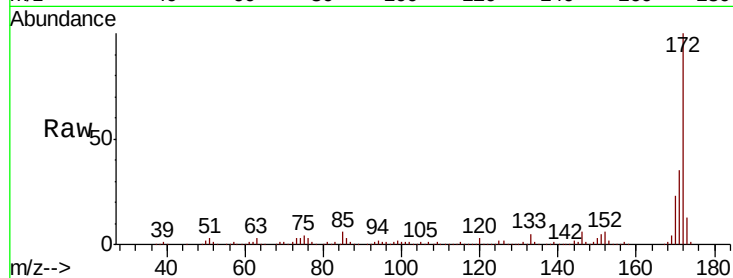




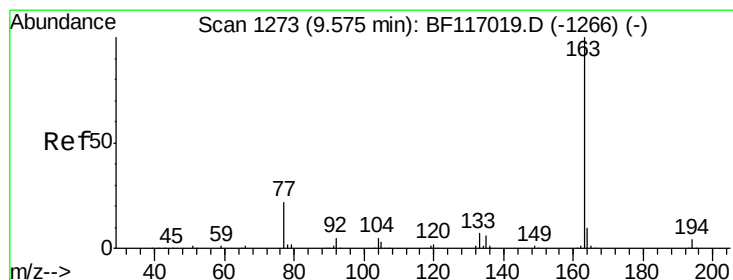
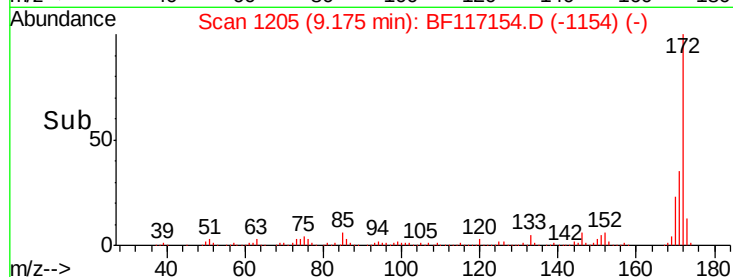
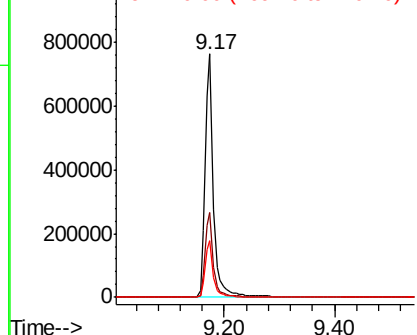
#45
2-Fluorobiphenyl
Concen: 99.575 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117154.D
Acq: 18 Sep 2019 19:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 793970
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 23.4 18.9 28.3

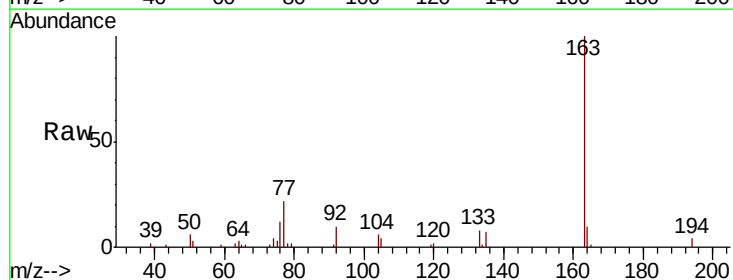


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

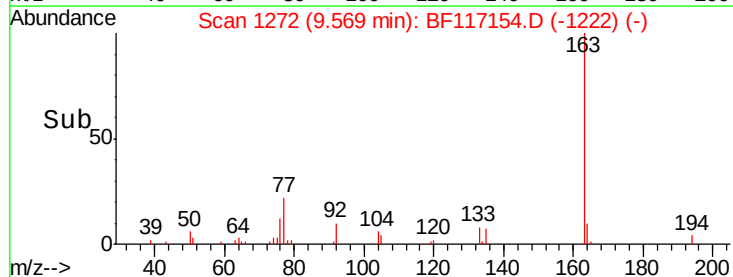
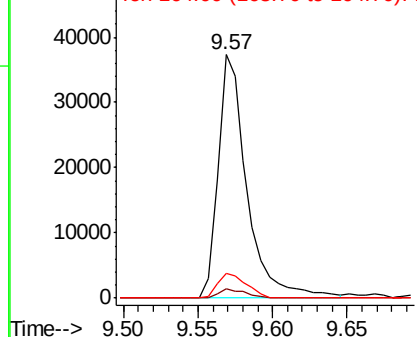


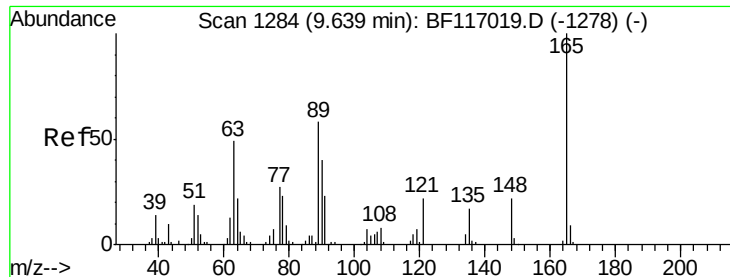
#50
Dimethylphthalate
Concen: 5.706 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117154.D
Acq: 18 Sep 2019 19:34

Tgt Ion:163 Resp: 50373
Ion Ratio Lower Upper
163 100
194 4.0 2.9 4.3
164 10.2 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

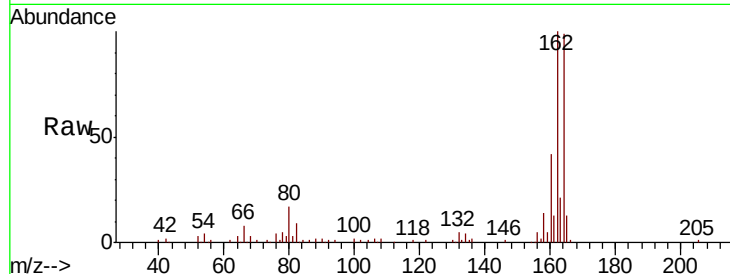




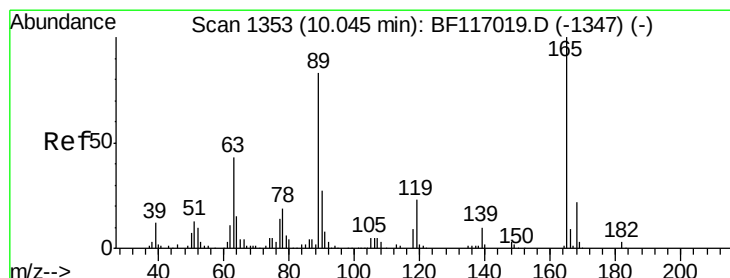
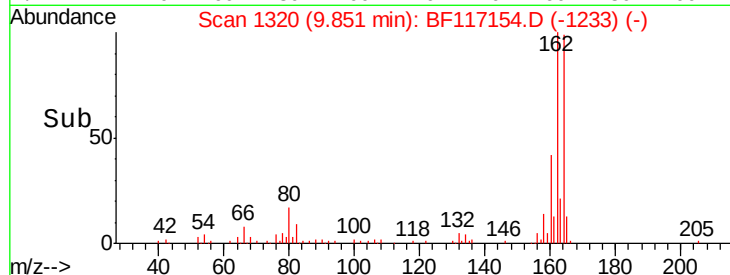
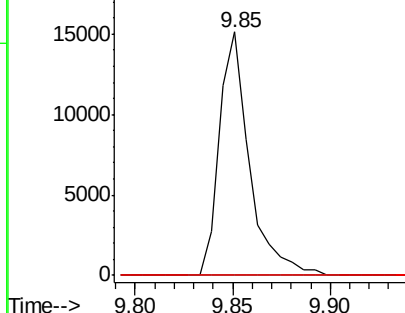
#51
 2,6-Dinitrotoluene
 Concen: 9.019 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117154.D
 Acq: 18 Sep 2019 19:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	16215
Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#

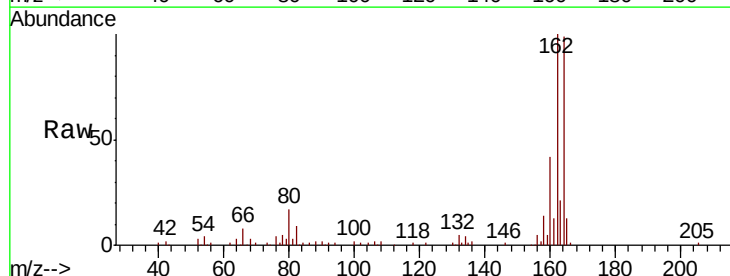


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

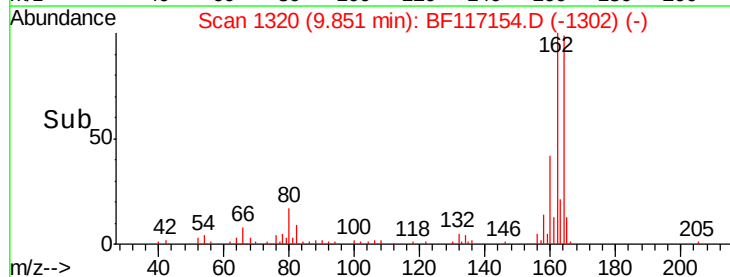
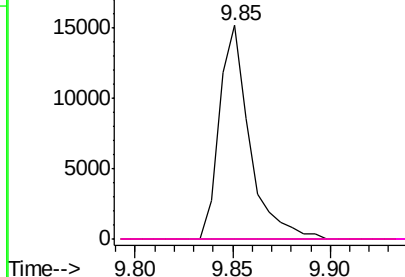


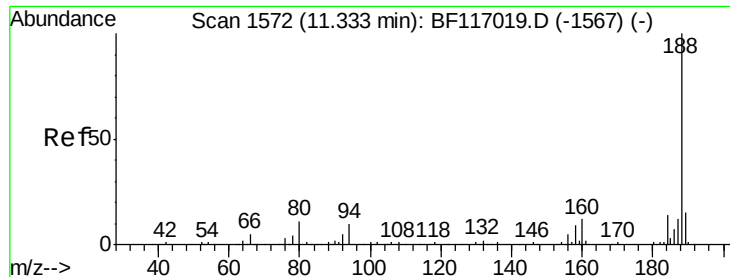
#57
 2,4-Dinitrotoluene
 Concen: 6.948 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117154.D
 Acq: 18 Sep 2019 19:34

Tgt Ion:	165	Resp:	16215
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

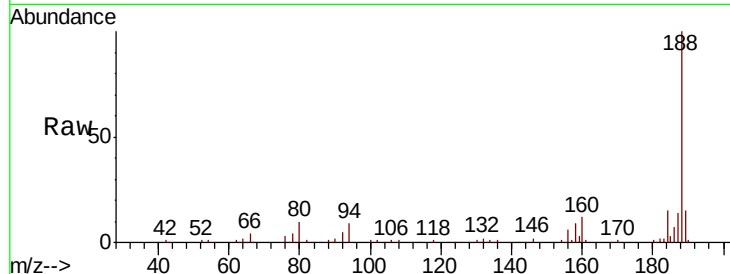




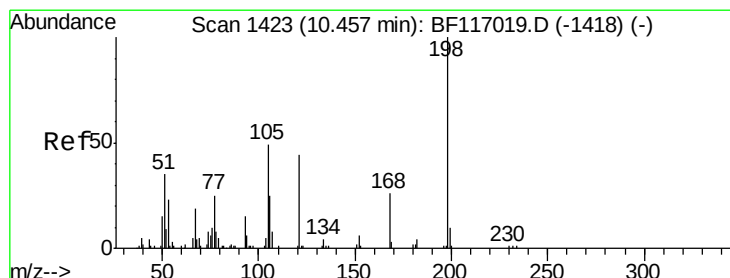
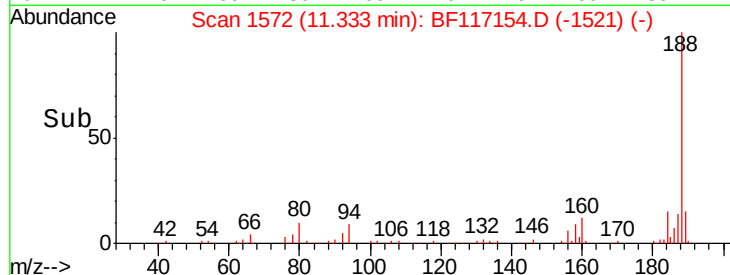
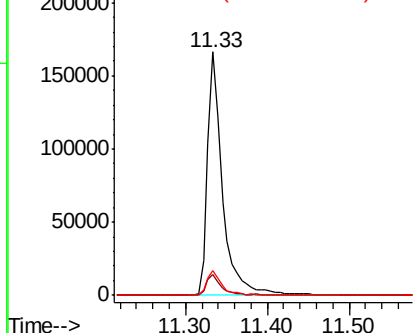
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117154.D
 Acq: 18 Sep 2019 19:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 213012
 Ion Ratio Lower Upper
 188 100
 94 8.8 8.2 12.2
 80 10.1 9.0 13.6

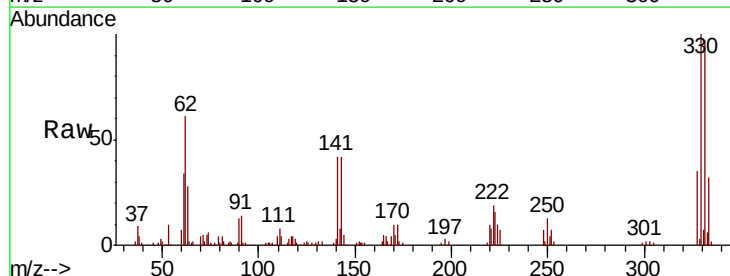


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

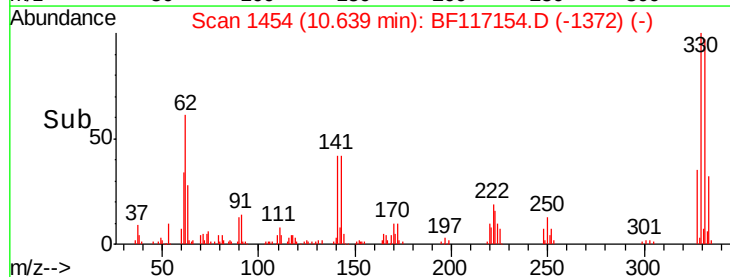
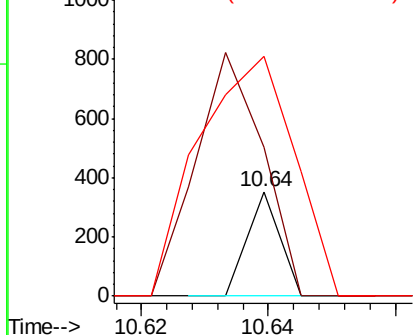


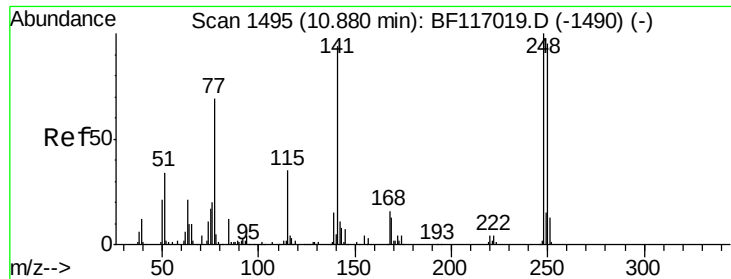
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.012 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF117154.D
 Acq: 18 Sep 2019 19:34

Tgt Ion:198 Resp: 124
 Ion Ratio Lower Upper
 198 100
 51 142.3 18.7 58.7#
 105 230.1 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

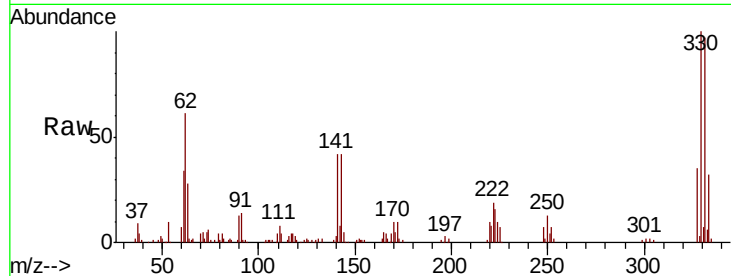




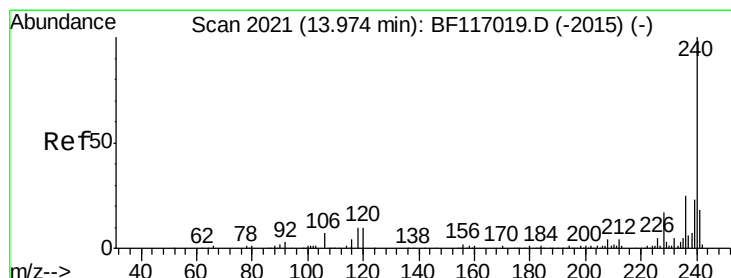
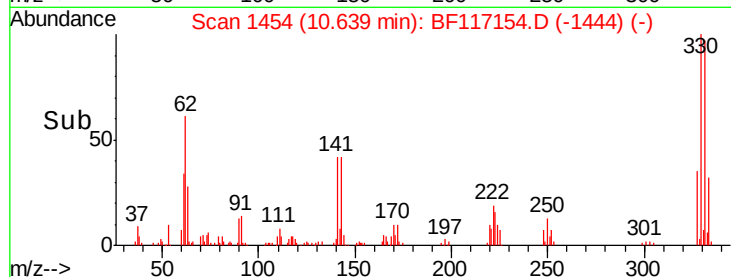
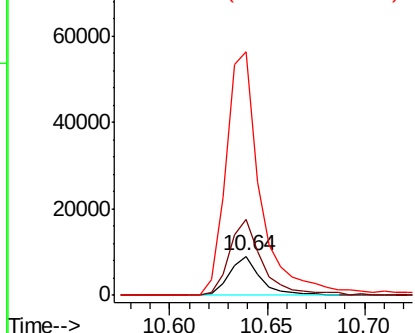
#67
4-Bromophenyl-phenylether
Concen: 4.558 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117154.D
Acq: 18 Sep 2019 19:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9915
Ion Ratio Lower Upper
248 100
250 191.9 76.2 114.4#
141 619.8 75.0 112.4#

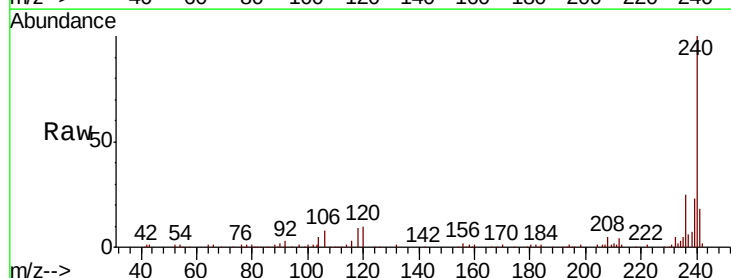


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

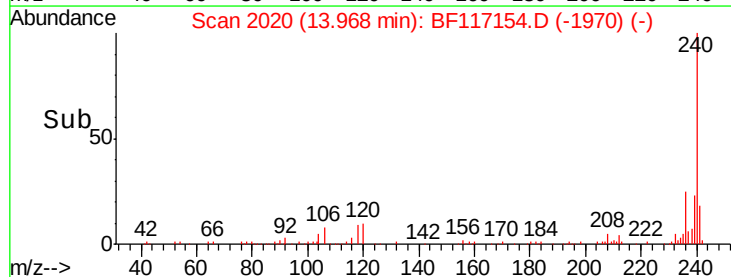
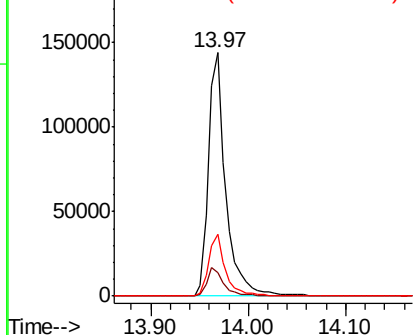


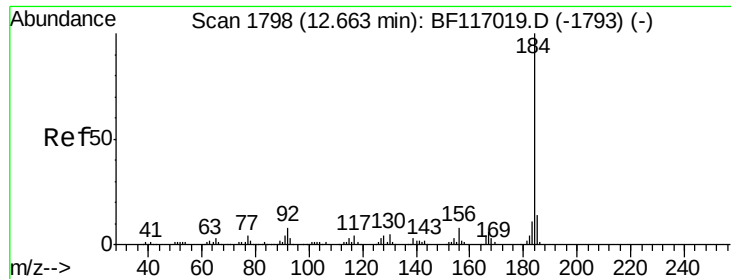
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117154.D
Acq: 18 Sep 2019 19:34

Tgt Ion:240 Resp: 178060
Ion Ratio Lower Upper
240 100
120 9.9 8.3 12.5
236 25.3 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: 2.031 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.25 min

Lab File: BF117154.D

Acq: 18 Sep 2019 19:34

Instrument :

BNA_F

ClientSampleId :

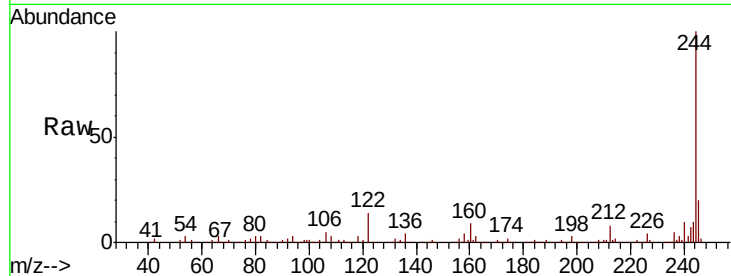
Tot Ion:184 Resp: 11648

Ion Ratio Lower Upper

184 100

185 18.6 11.6 17.4#

183 10.2 9.0 13.4

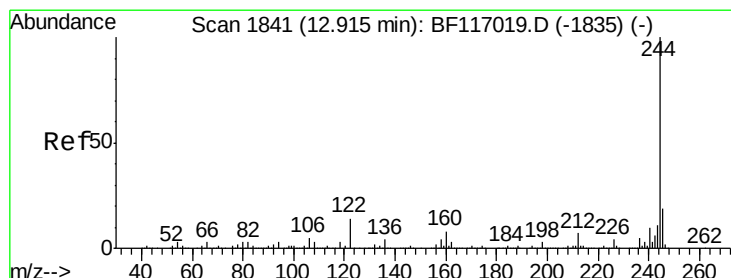
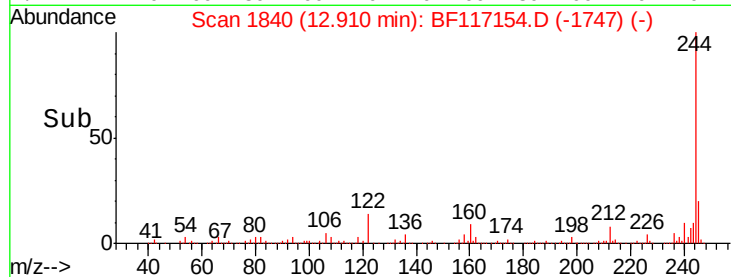
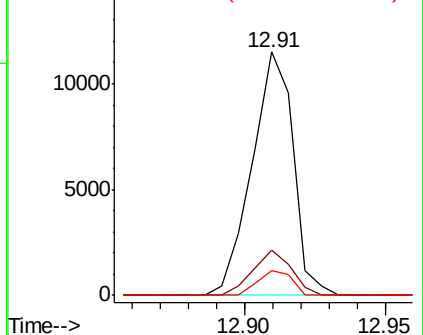


Abundance

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: 86.540 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117154.D

Acq: 18 Sep 2019 19:34

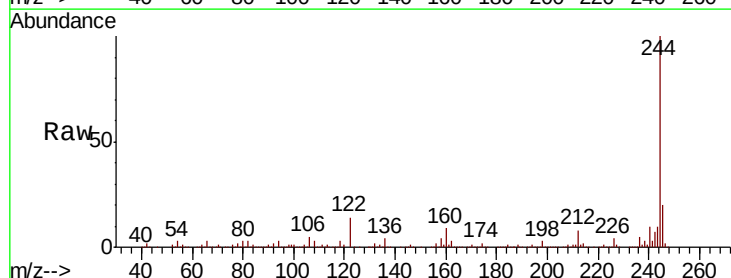
Tgt Ion:244 Resp: 824370

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

122 14.4 11.3 16.9

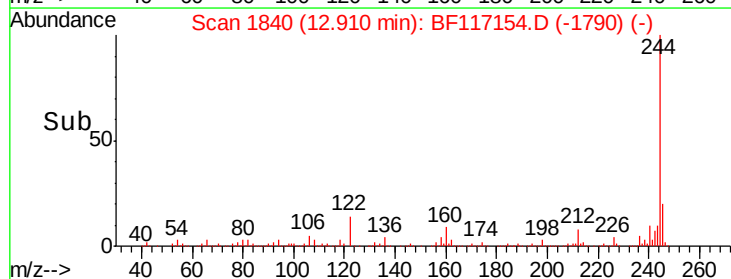
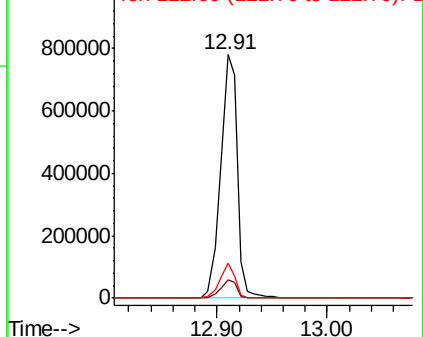


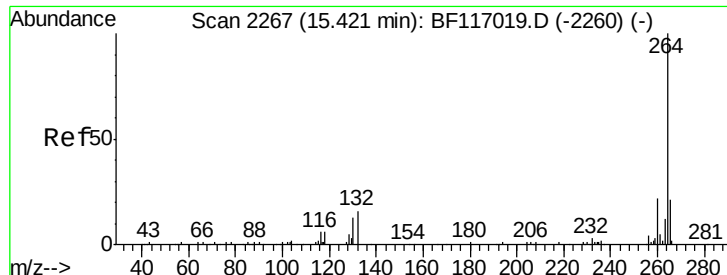
Abundance

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

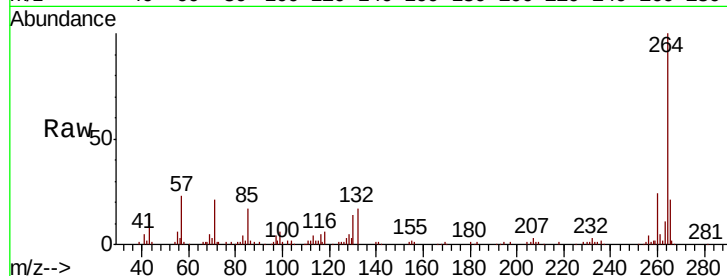




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF117154.D
 Acq: 18 Sep 2019 19:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.6	26.4
265	21.4	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

