

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
 Data File : BF117241.D
 Acq On : 25 Sep 2019 15:44
 Operator : JU
 Sample : PB122339BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 02:28:35 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

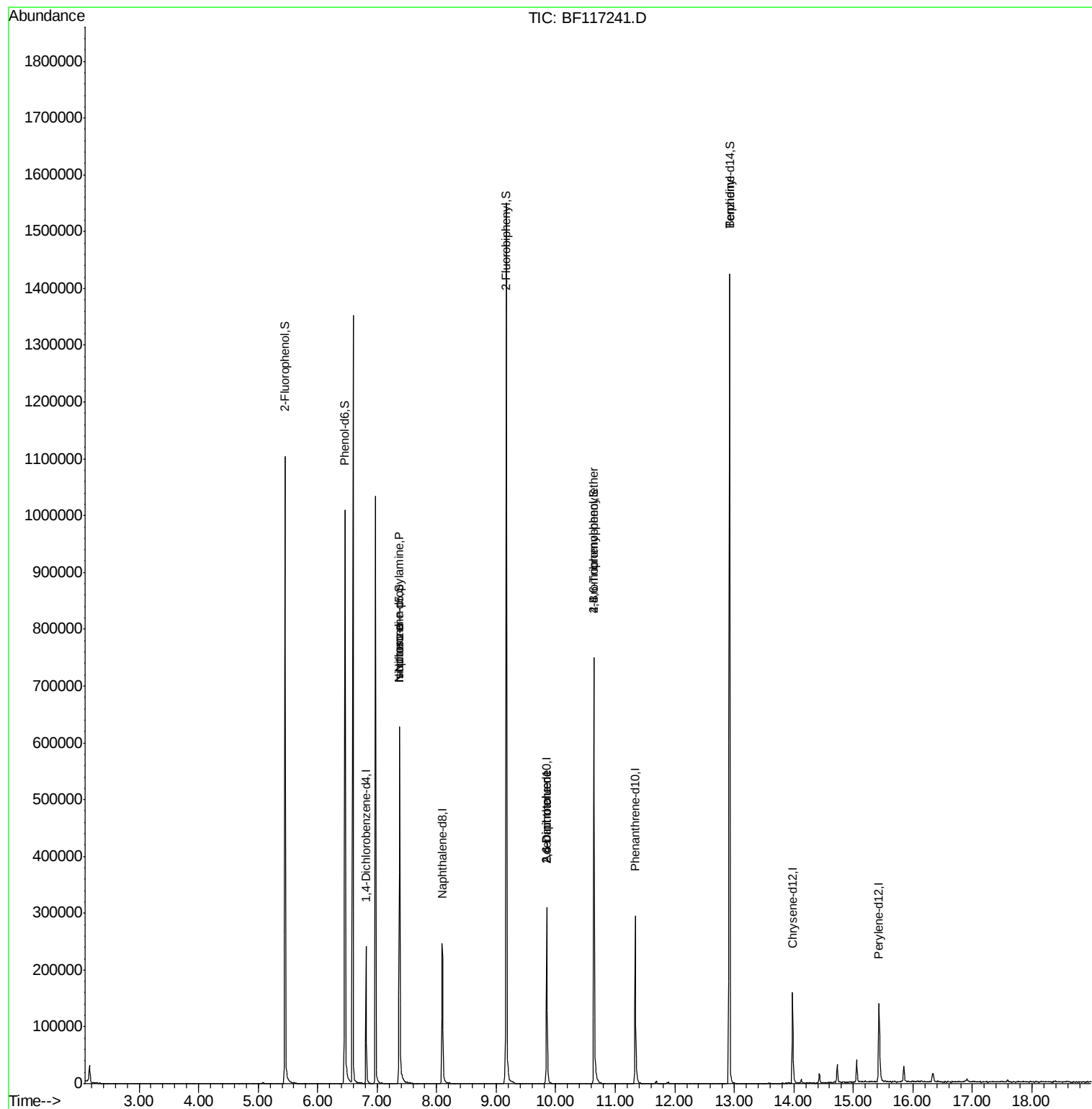
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	40542	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	157362	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	83047	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	134894	20.00	ng	0.00
76) Chrysene-d12	13.97	240	75898	20.00	ng	0.00
87) Perylene-d12	15.43	264	67656	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	330480	127.27	ng	0.01
7) Phenol-d6	6.46	99	442753	131.93	ng	0.00
23) Nitrobenzene-d5	7.37	82	284610	95.03	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	93796	135.14	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	537505	101.20	ng	0.00
79) Terphenyl-d14	12.92	244	477656	117.64	ng	0.00
Target Compounds						
9) Benzaldehyde	6.59	77	9039	Below Cal		82
19) n-Nitroso-di-n-propylamine	7.37	70	38490	18.835 ng	#	84
25) Isophorone	7.37	82	284608	53.671 ng	#	66
51) 2,6-Dinitrotoluene	9.85	165	10322	8.619 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	10322	6.640 ng	#	18
67) 4-Bromophenyl-phenylether	10.64	248	5990	4.348 ng	#	1
77) Benzidine	12.92	184	6999	2.863 ng	#	94

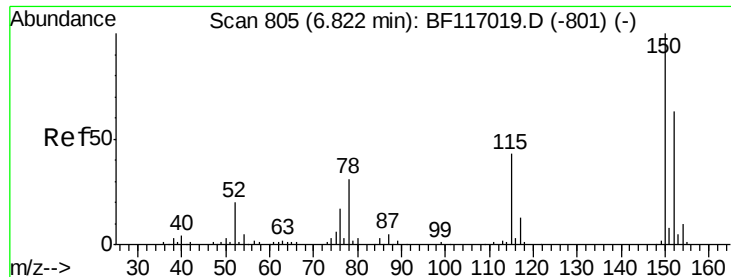
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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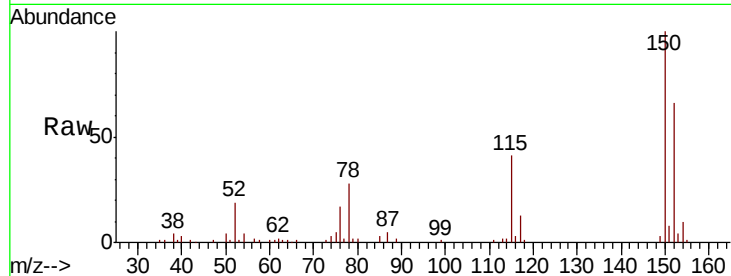


#1

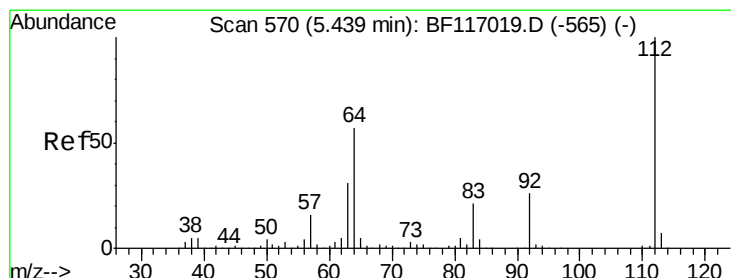
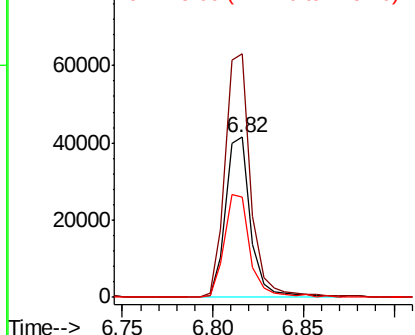
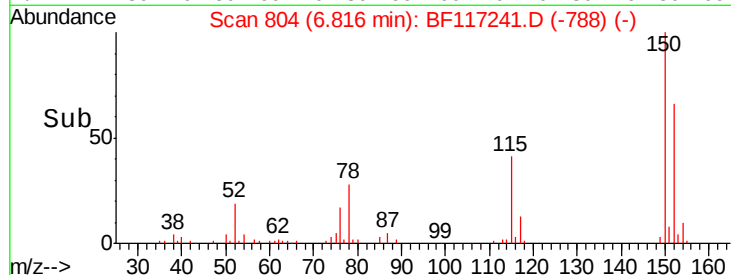
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF117241.D
Acq: 25 Sep 2019 15:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 40542
Ion Ratio Lower Upper
152 100
150 151.9 127.5 191.3
115 62.7 55.0 82.4



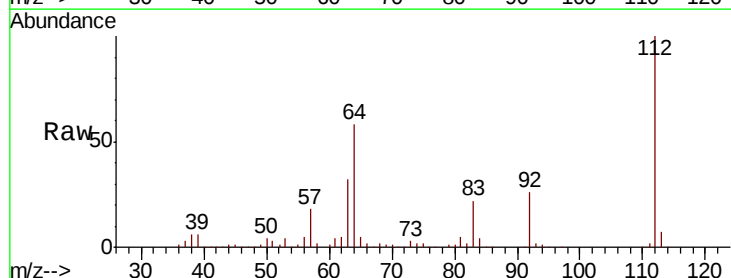
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



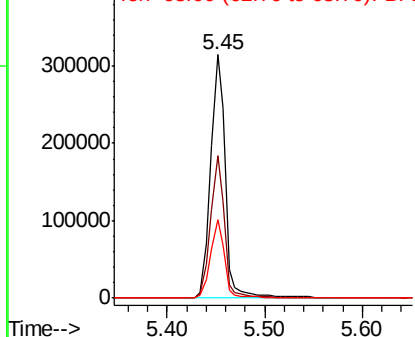
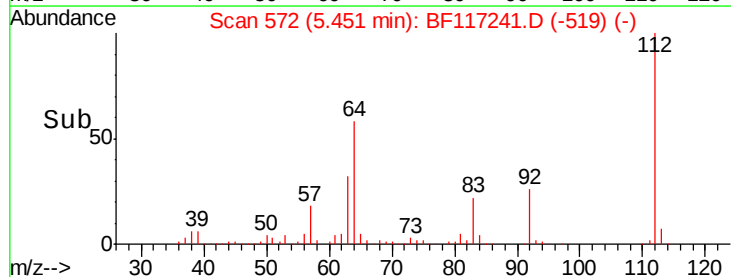
#5

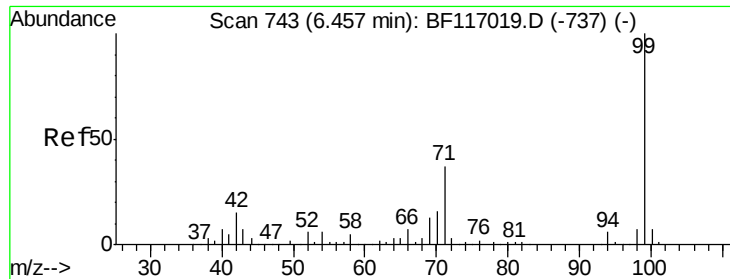
2-Fluorophenol
Concen: 127.266 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF117241.D
Acq: 25 Sep 2019 15:44

Tgt Ion:112 Resp: 330480
Ion Ratio Lower Upper
112 100
64 58.4 45.7 68.5
63 32.1 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: 131.930 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117241.D

Acq: 25 Sep 2019 15:44

Instrument :

BNA_F

ClientSampled :

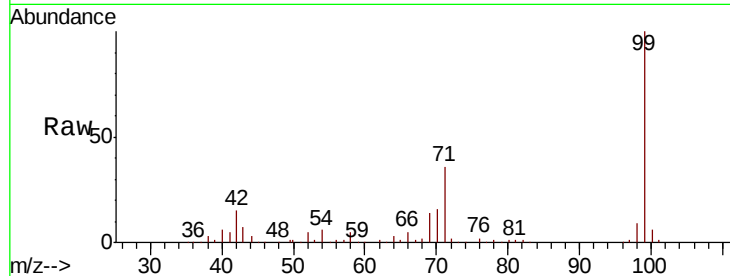
Tot Ion: 99 Resp: 442753

Ion Ratio Lower Upper

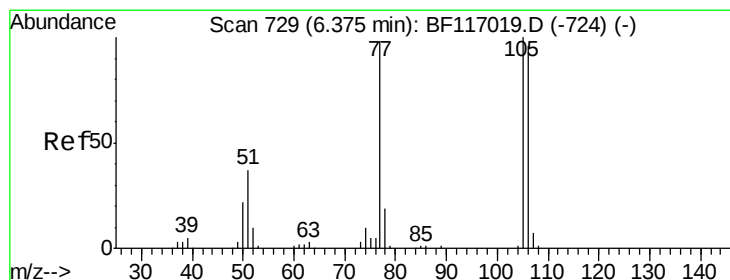
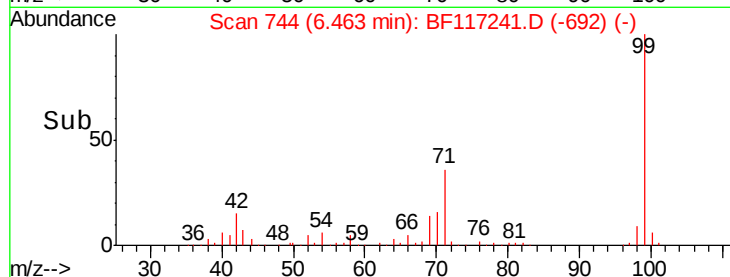
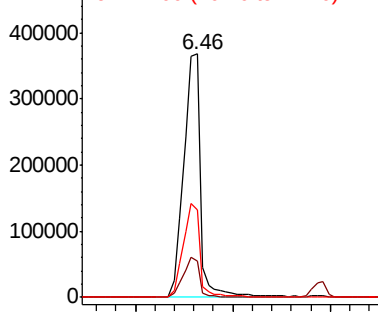
99 100

42 15.0 12.2 18.2

71 36.1 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: BF117241.D

Acq: 25 Sep 2019 15:44

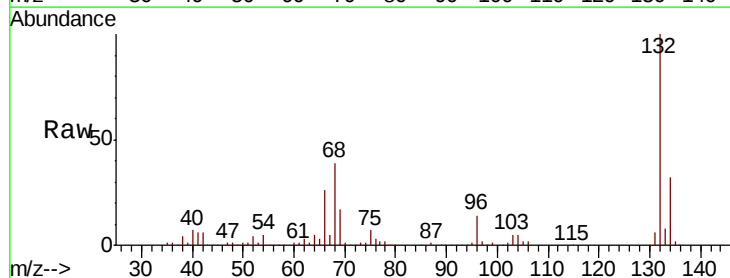
Tgt Ion: 77 Resp: 9039

Ion Ratio Lower Upper

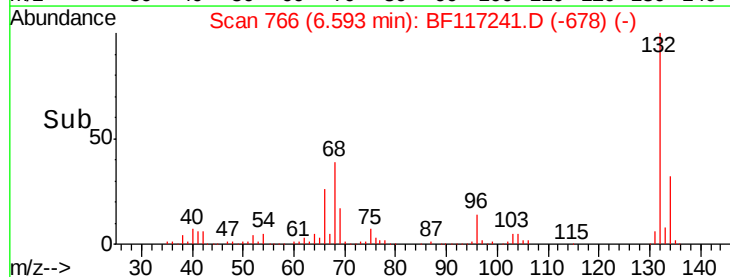
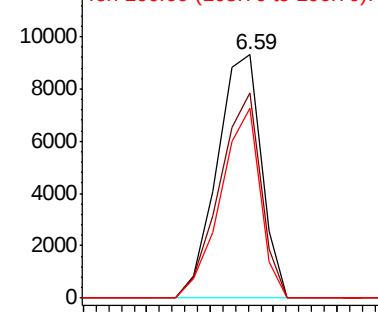
77 100

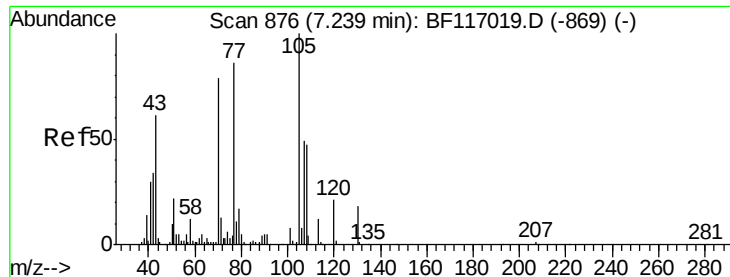
105 84.2 81.8 121.8

106 78.2 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

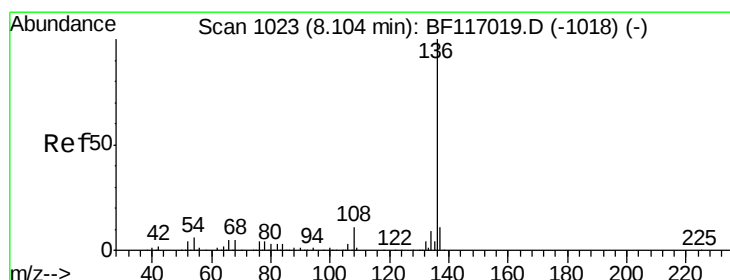
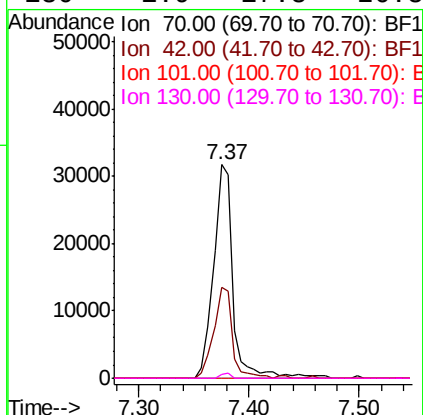
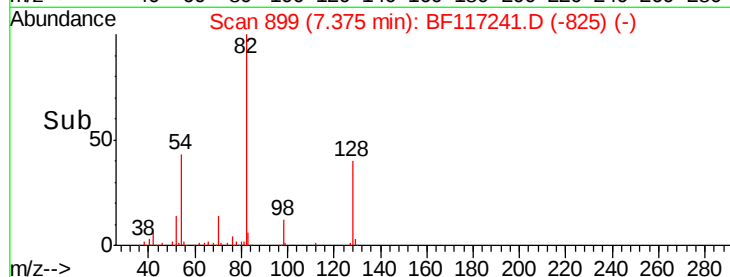
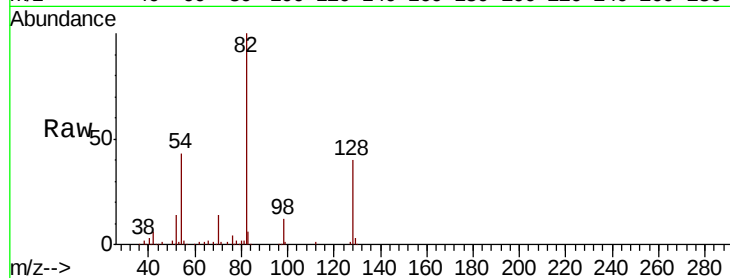




#19
n-Nitroso-di-n-propylamine
Concen: 18.835 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.14 min
Lab File: BF117241.D
Acq: 25 Sep 2019 15:44

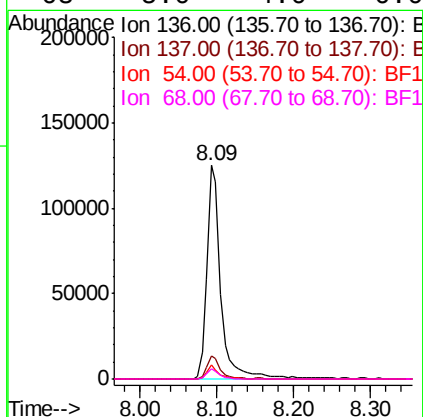
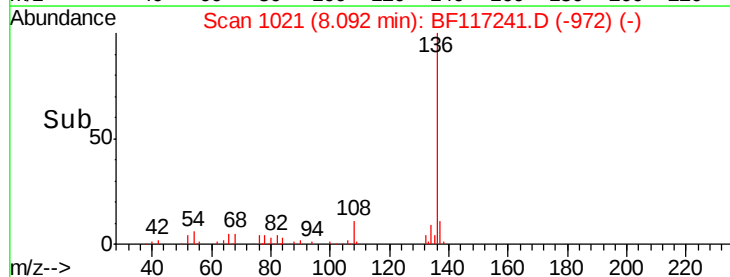
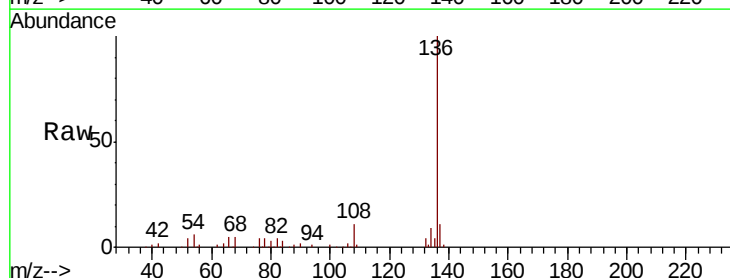
Instrument :
BNA_F
ClientSampled :

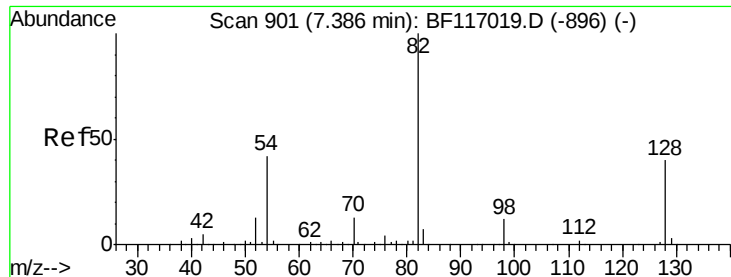
Tot Ion: 70 Resp: 38490
Ion Ratio Lower Upper
70 100
42 42.6 34.0 51.0
101 0.0 7.8 11.6#
130 1.9 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117241.D
Acq: 25 Sep 2019 15:44

Tgt Ion: 136 Resp: 157362
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 6.5 4.5 6.7
68 5.0 4.0 6.0

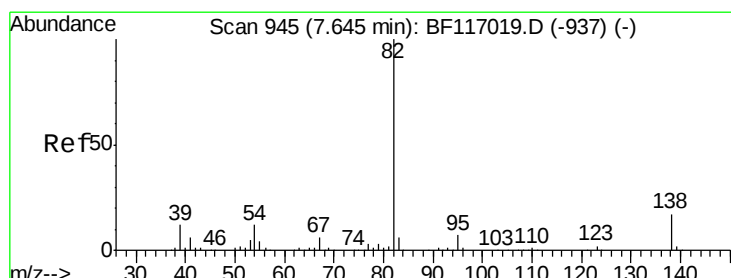
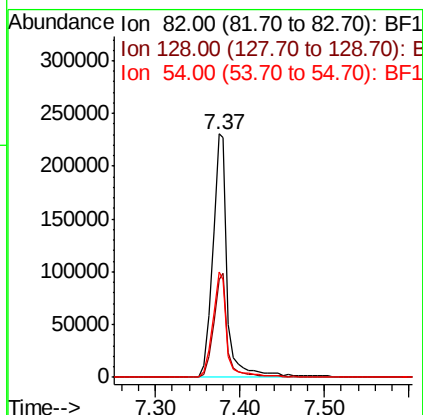
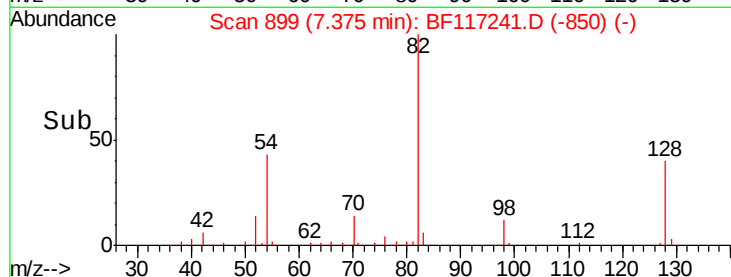
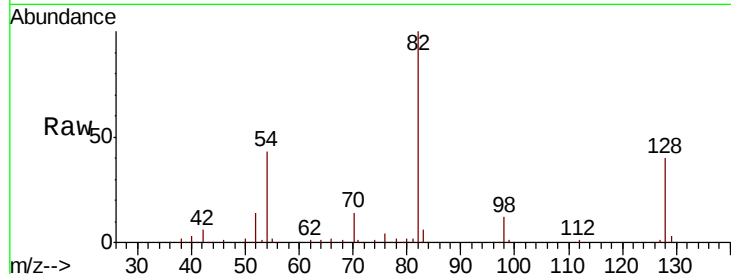




#23
 Nitrobenzene-d5
 Concen: 95.030 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF117241.D
 Acq: 25 Sep 2019 15:44

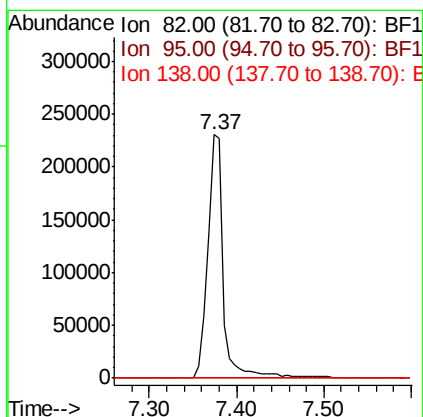
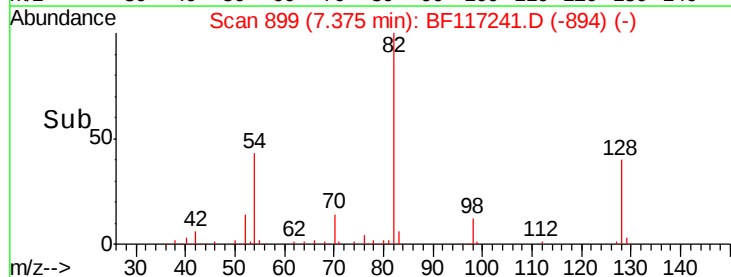
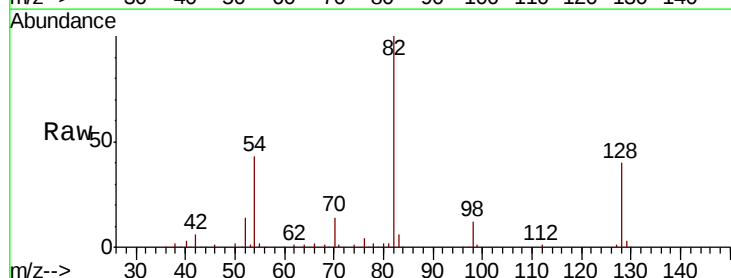
Instrument :
 BNA_F
 ClientSampleId :

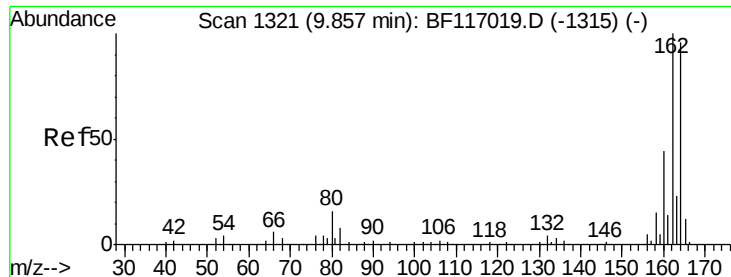
Tot Ion	82	Resp	284610
Ion Ratio	100	Lower	Upper
128	39.9	32.3	48.5
54	43.4	33.3	49.9



#25
 Isophorone
 Concen: 53.671 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.27 min
 Lab File: BF117241.D
 Acq: 25 Sep 2019 15:44

Tgt Ion	82	Resp	284608
Ion Ratio	100	Lower	Upper
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

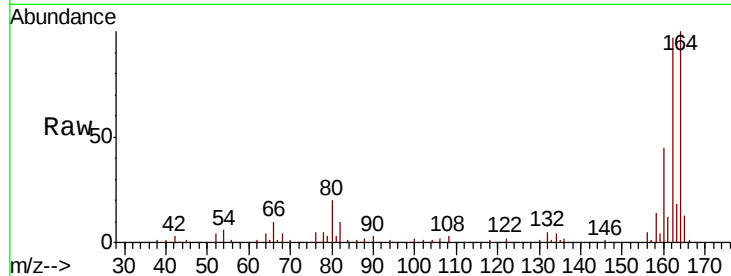




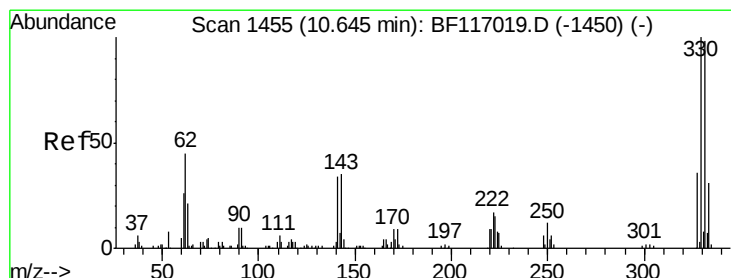
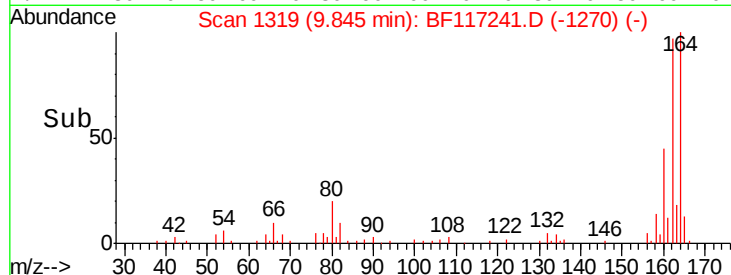
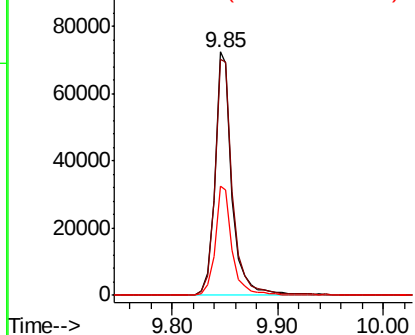
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117241.D
Acq: 25 Sep 2019 15:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 83047
Ion Ratio Lower Upper
164 100
162 97.0 83.4 125.2
160 44.6 36.4 54.6

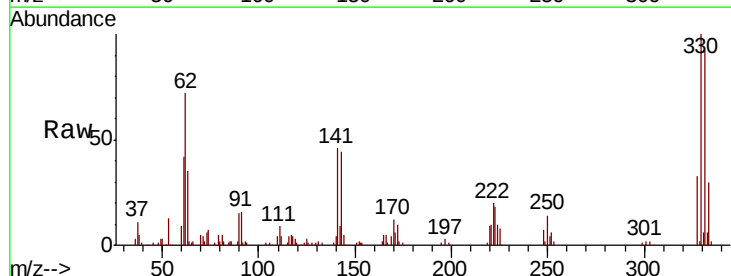


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

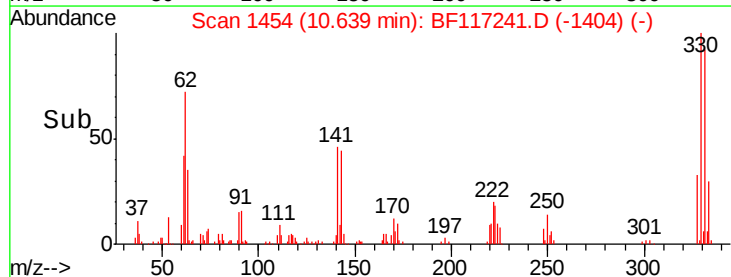
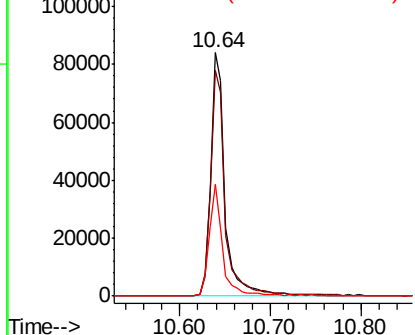


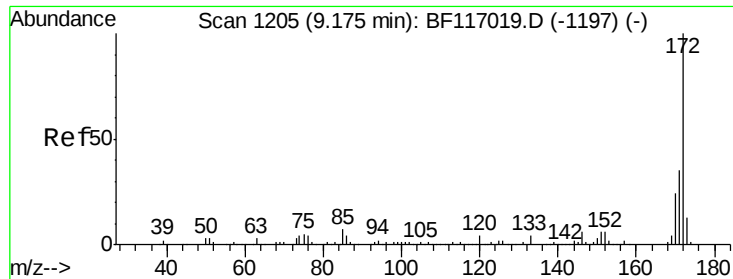
#42
2,4,6-Tribromophenol
Concen: 135.137 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117241.D
Acq: 25 Sep 2019 15:44

Tgt Ion:330 Resp: 93796
Ion Ratio Lower Upper
330 100
332 94.1 78.0 117.0
141 42.8 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

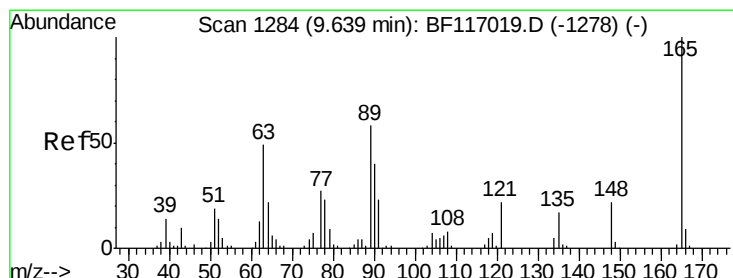
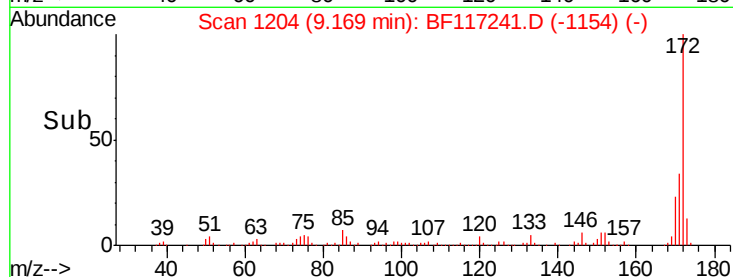
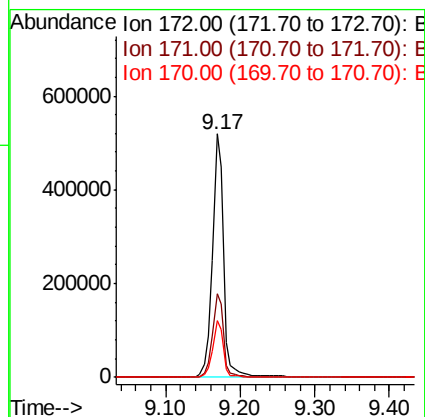
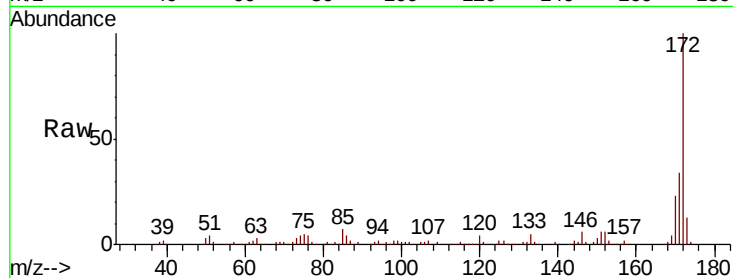




#45
 2-Fluorobiphenyl
 Concen: 101.199 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF117241.D
 Acq: 25 Sep 2019 15:44

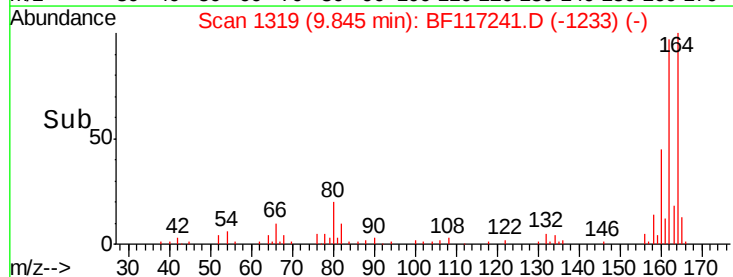
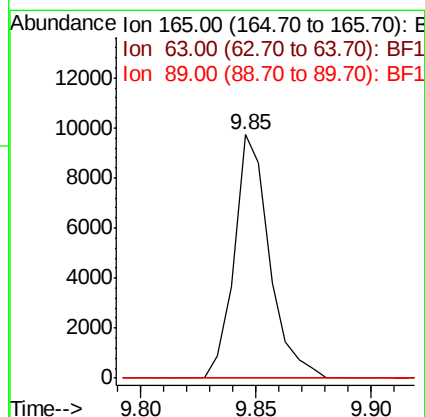
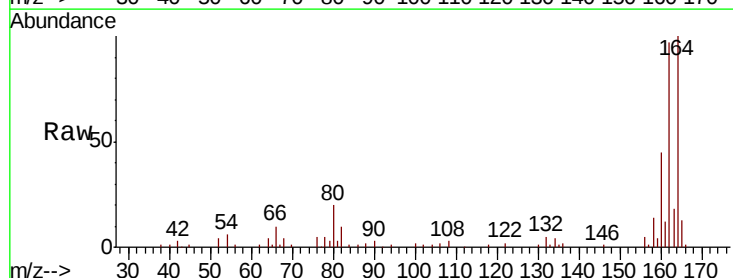
Instrument :
 BNA_F
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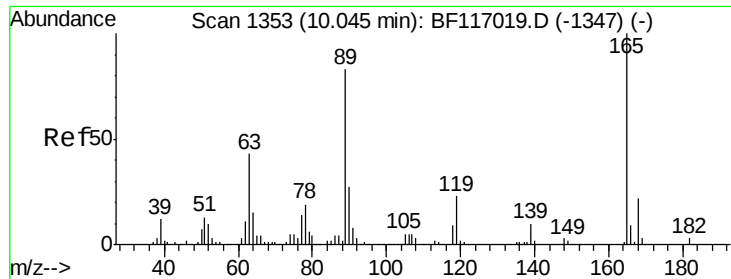
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.2	42.2
170	23.2	18.9	28.3



#51
 2,6-Dinitrotoluene
 Concen: 8.619 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF117241.D
 Acq: 25 Sep 2019 15:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#

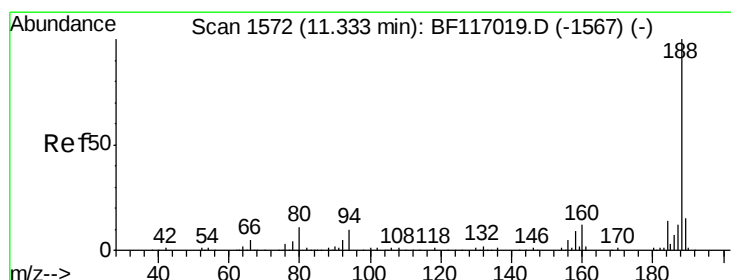
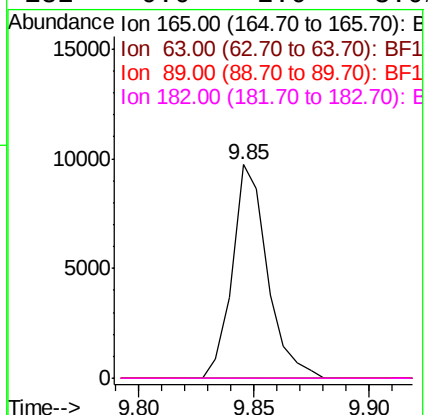
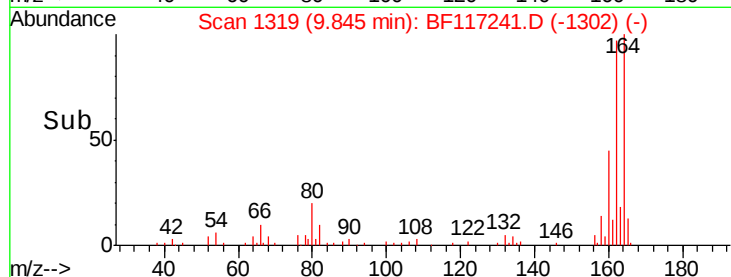
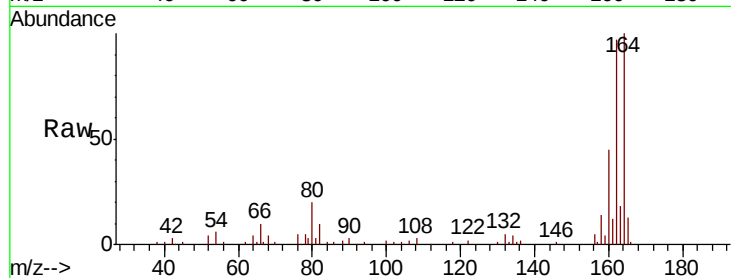




#57
 2,4-Dinitrotoluene
 Concen: 6.640 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF117241.D
 Acq: 25 Sep 2019 15:44

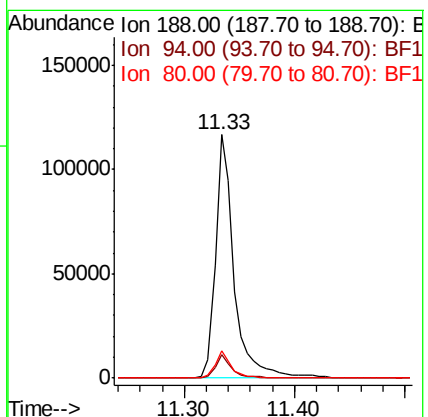
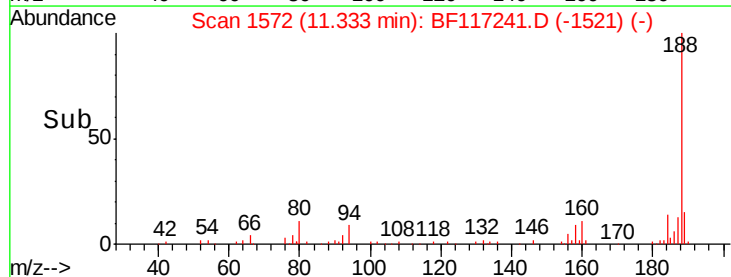
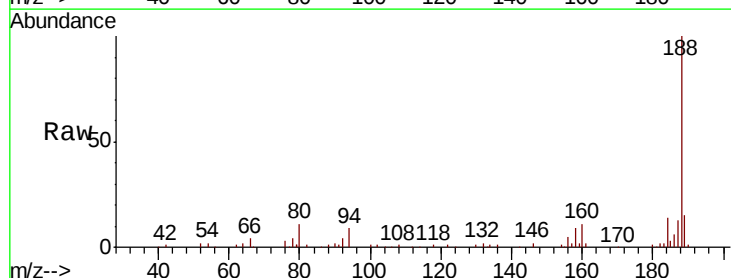
Instrument :
 BNA_F
 ClientSampleId :

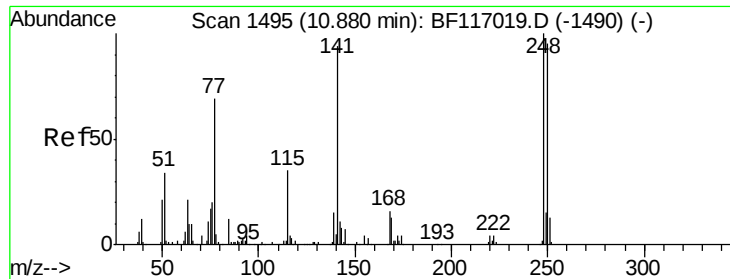
Tot Ion:165 Resp: 10322
 Ion Ratio Lower Upper
 165 100
 63 0.0 35.0 52.4#
 89 0.0 66.1 99.1#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117241.D
 Acq: 25 Sep 2019 15:44

Tgt Ion:188 Resp: 134894
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.2 12.2
 80 11.0 9.0 13.6

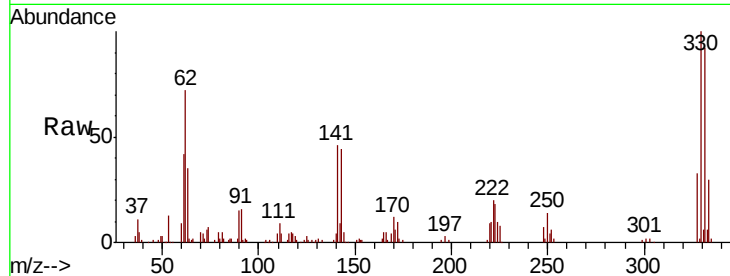




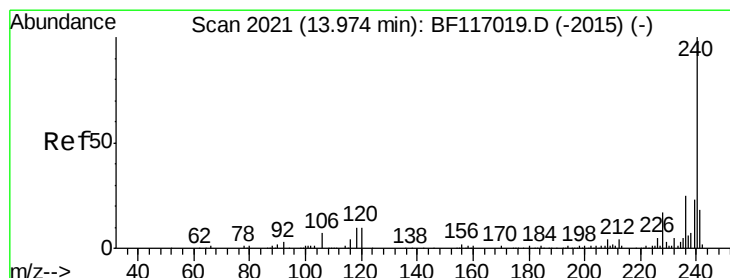
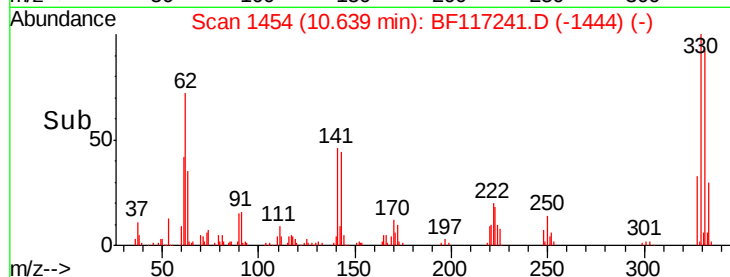
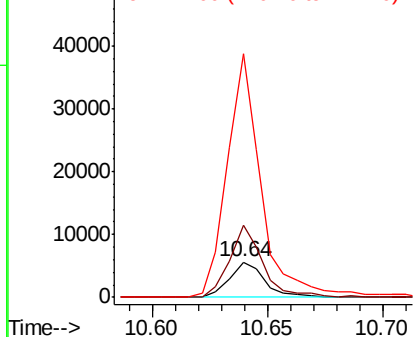
#67
4-Bromophenyl-phenylether
Concen: 4.348 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117241.D
Acq: 25 Sep 2019 15:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 5990
Ion Ratio Lower Upper
248 100
250 203.8 76.2 114.4#
141 686.3 75.0 112.4#

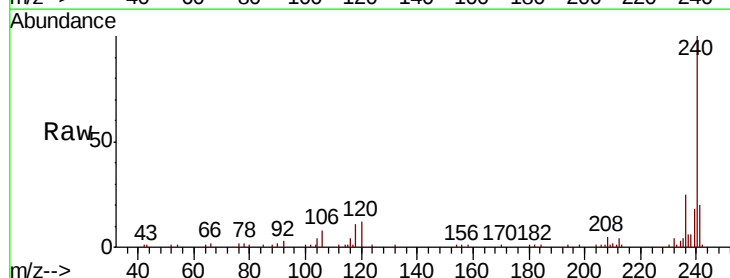


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

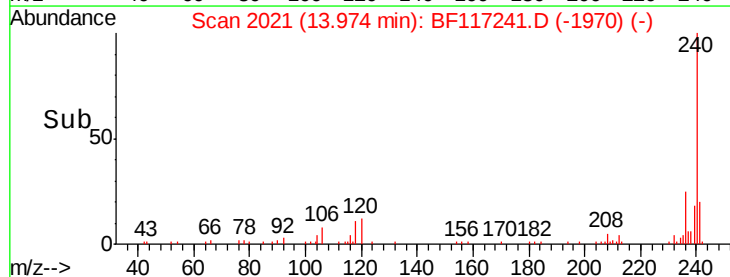
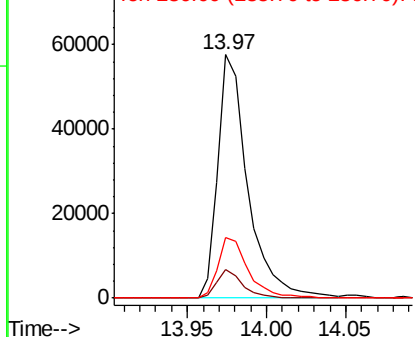


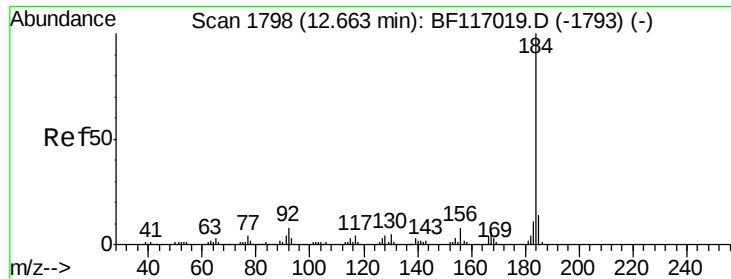
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117241.D
Acq: 25 Sep 2019 15:44

Tgt Ion:240 Resp: 75898
Ion Ratio Lower Upper
240 100
120 11.8 8.3 12.5
236 24.9 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: 2.863 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.26 min

Lab File: BF117241.D

Acq: 25 Sep 2019 15:44

Instrument :

BNA_F

ClientSampleId :

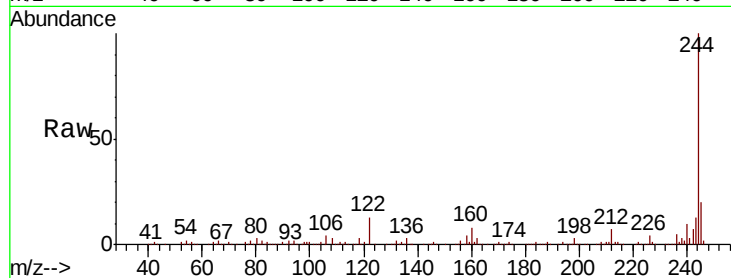
Tot Ion:184 Resp: 6999

Ion Ratio Lower Upper

184 100

185 13.7 11.6 17.4

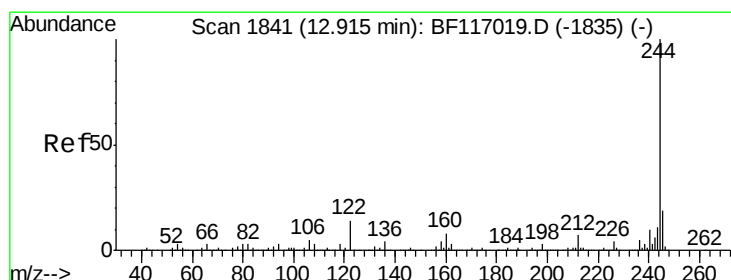
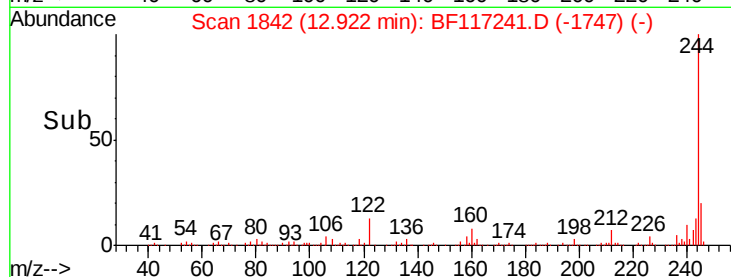
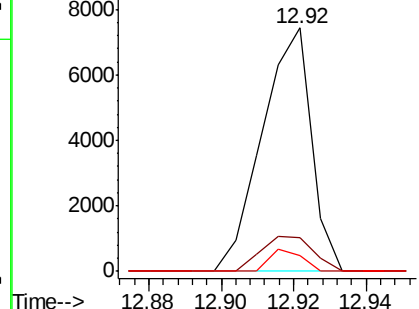
183 6.5 9.0 13.4#



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: 117.638 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BF117241.D

Acq: 25 Sep 2019 15:44

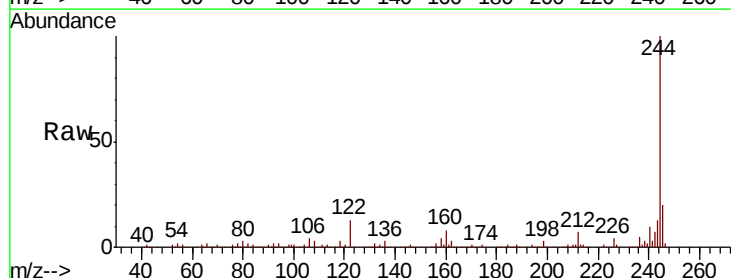
Tgt Ion:244 Resp: 477656

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

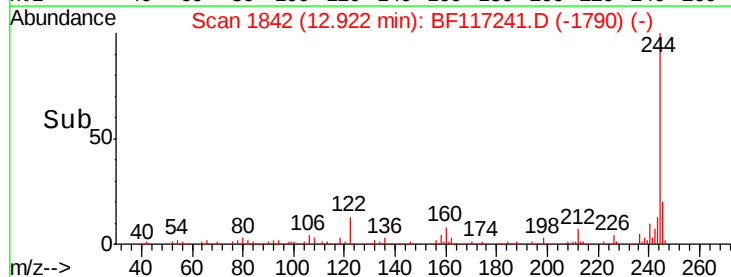
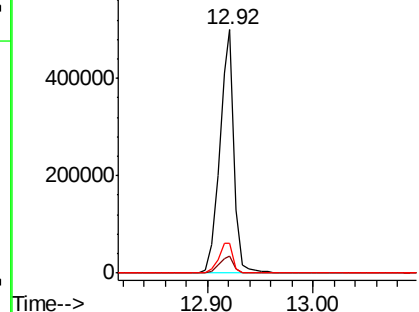
122 12.5 11.3 16.9

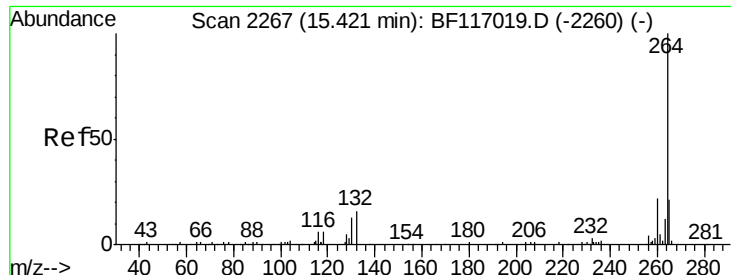


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117241.D
 Acq: 25 Sep 2019 15:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	17.6	26.4
265	21.8	16.6	24.8

