

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
 Data File : BF117220.D
 Acq On : 24 Sep 2019 17:20
 Operator : JU
 Sample : PB123268BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 25 02:37:58 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

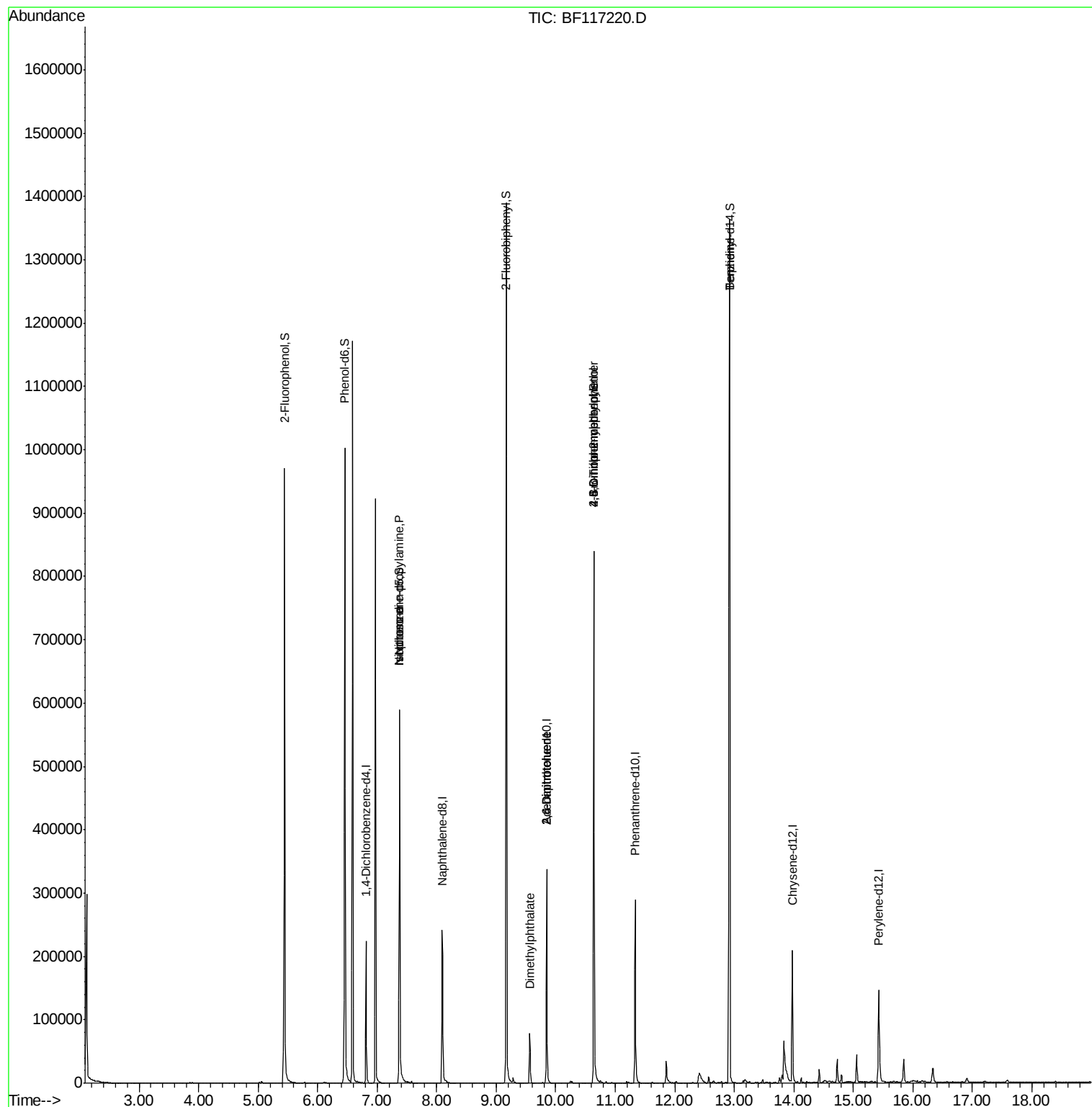
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	33595	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	134126	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	72704	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	115683	20.00	ng	0.00
76) Chrysene-d12	13.97	240	75969	20.00	ng	0.00
87) Perylene-d12	15.43	264	64712	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	267872	124.49	ng	0.00
7) Phenol-d6	6.46	99	374739	134.75	ng	0.00
23) Nitrobenzene-d5	7.37	82	238306	93.35	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	92881	152.86	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	450908	96.97	ng	0.00
79) Terphenyl-d14	12.92	244	491479	120.93	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	565	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	31762	18.757	ng	# 1
25) Isophorone	7.37	82	238304	52.725	ng	# 84
50) Dimethylphthalate	9.56	163	37064	7.200	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	9282	8.853	ng	# 99
57) 2,4-Dinitrotoluene	9.85	165	9282	6.820	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.64	198	119	7.096	ng	# 18
67) 4-Bromophenyl-phenylether	10.64	248	5863	4.963	ng	# 1
77) Benzidine	12.92	184	7279	2.974	ng	# 98

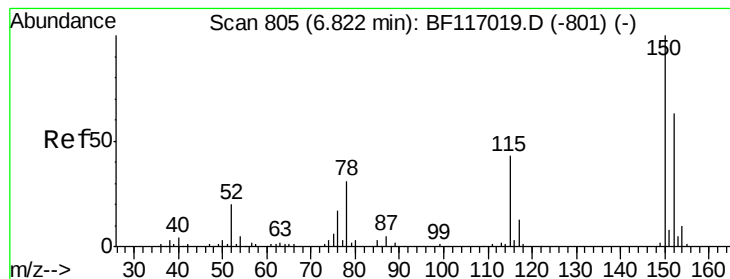
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
Data File : BF117220.D
Acq On : 24 Sep 2019 17:20
Operator : JU
Sample : PB123268BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 25 02:37:58 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



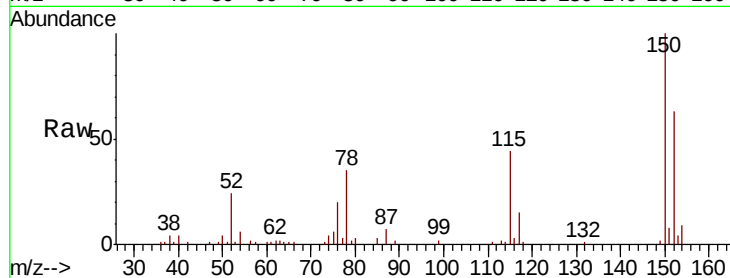


#1

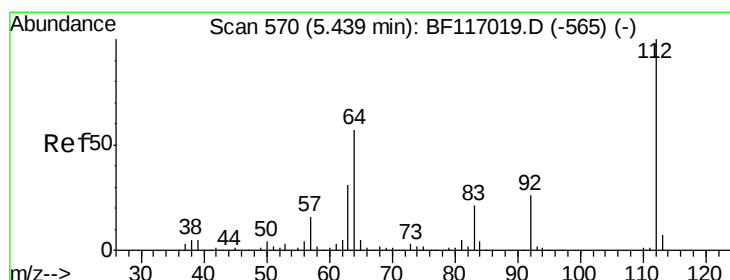
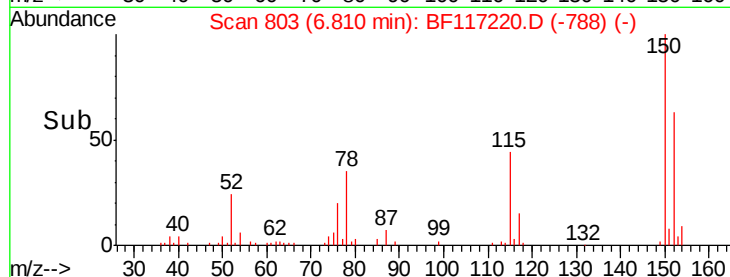
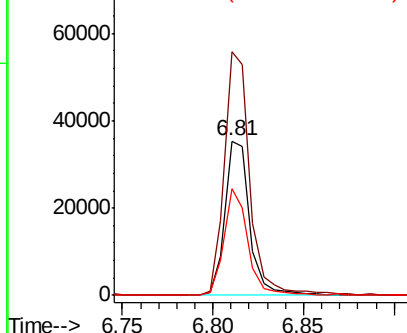
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117220.D
Acq: 24 Sep 2019 17:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	127.5	191.3
115	69.4	55.0	82.4



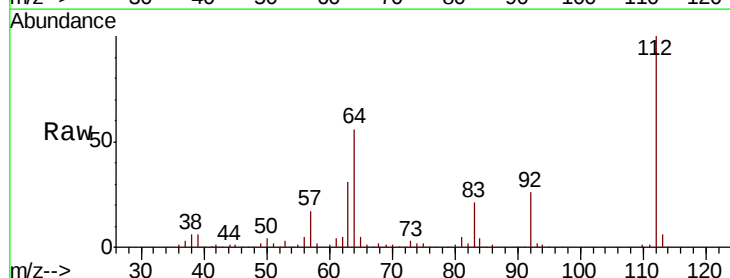
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



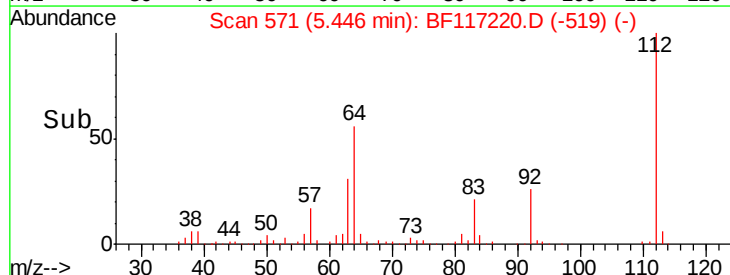
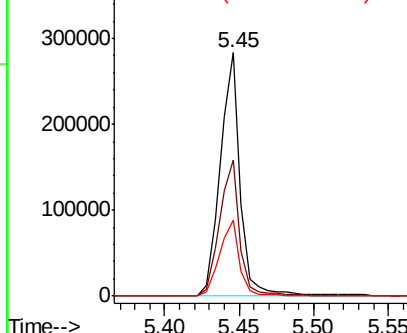
#5

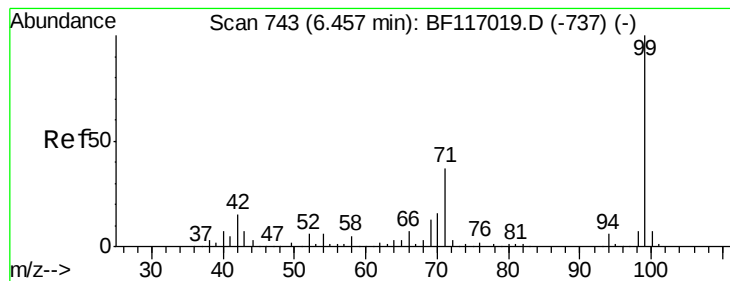
2-Fluorophenol
Concen: 124.487 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117220.D
Acq: 24 Sep 2019 17:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	45.7	68.5
63	31.2	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: 134.754 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117220.D

Acq: 24 Sep 2019 17:20

Instrument :

BNA_F

ClientSampled :

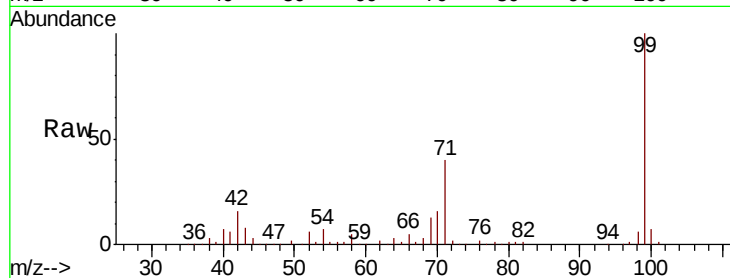
Tot Ion: 99 Resp: 374739

Ion Ratio Lower Upper

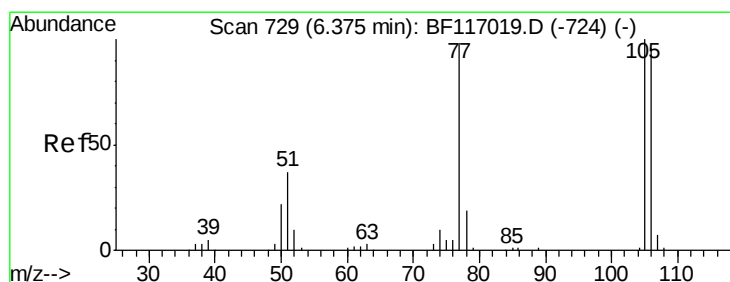
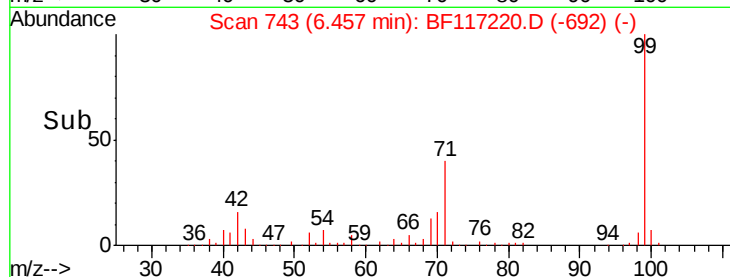
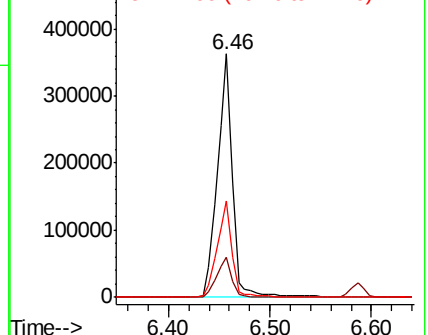
99 100

42 16.4 12.2 18.2

71 39.8 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# 743

Delta R.T. 0.08 min

Lab File: BF117220.D

Acq: 24 Sep 2019 17:20

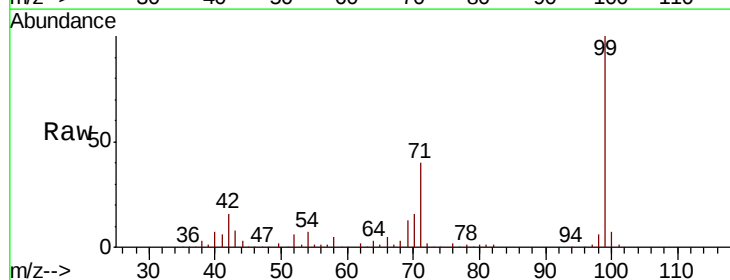
Tgt Ion: 77 Resp: 565

Ion Ratio Lower Upper

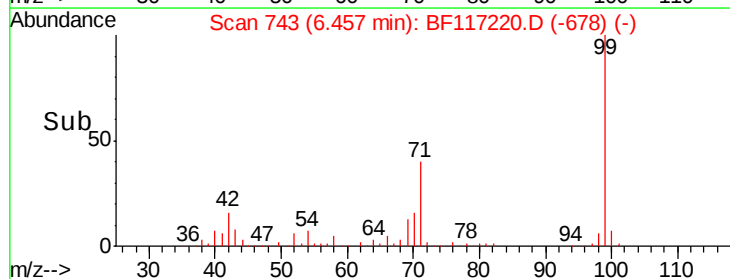
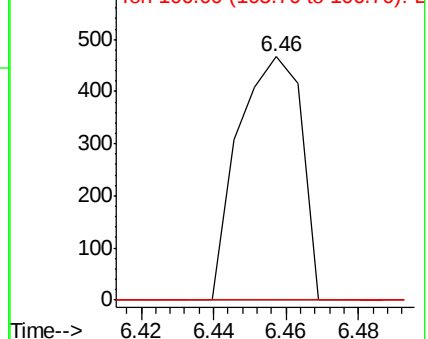
77 100

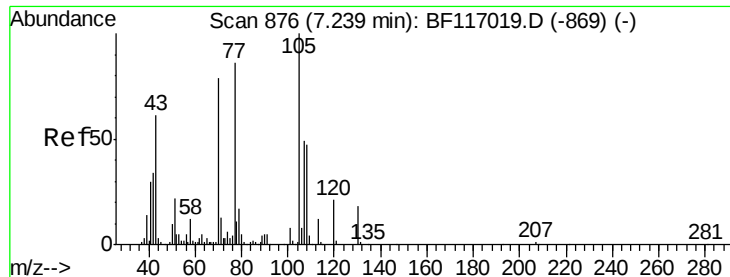
105 0.0 81.8 121.8#

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

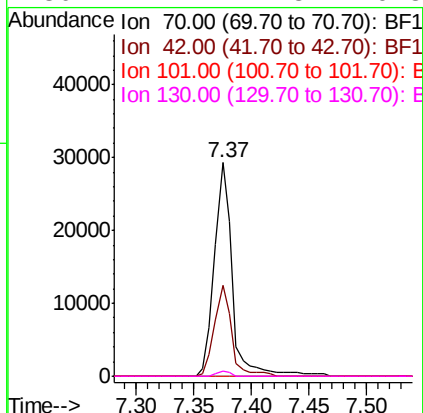
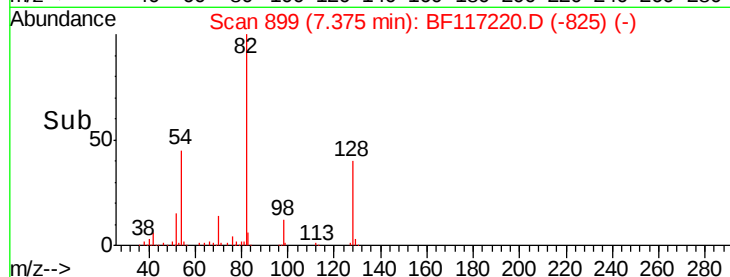
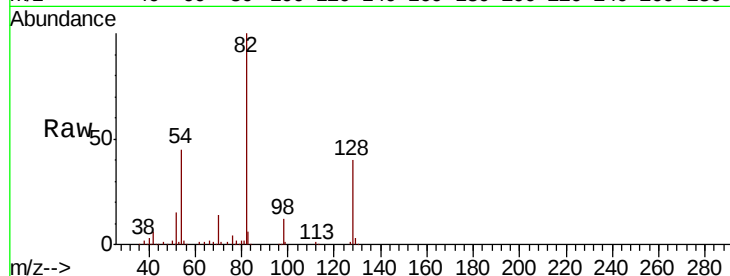




#19
n-Nitroso-di-n-propylamine
Concen: 18.757 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.14 min
Lab File: BF117220.D
Acq: 24 Sep 2019 17:20

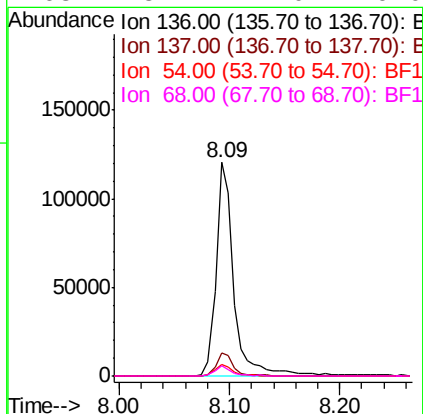
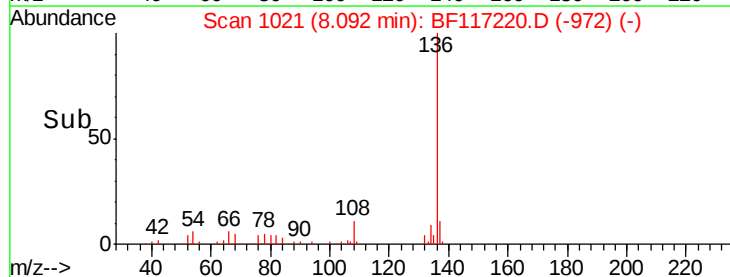
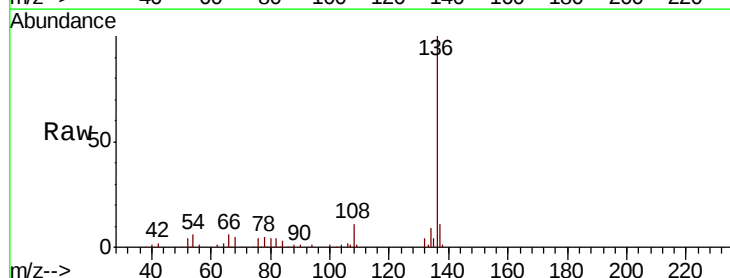
Instrument :
BNA_F
ClientSampleId :

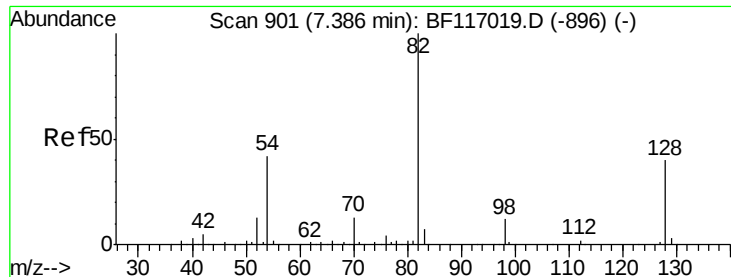
Tot Ion: 70 Resp: 31762
Ion Ratio Lower Upper
70 100
42 42.5 34.0 51.0
101 0.0 7.8 11.6#
130 2.2 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117220.D
Acq: 24 Sep 2019 17:20

Tgt Ion: 136 Resp: 134126
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 5.7 4.5 6.7
68 5.1 4.0 6.0

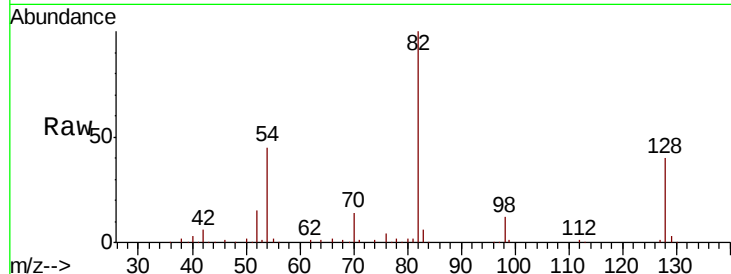




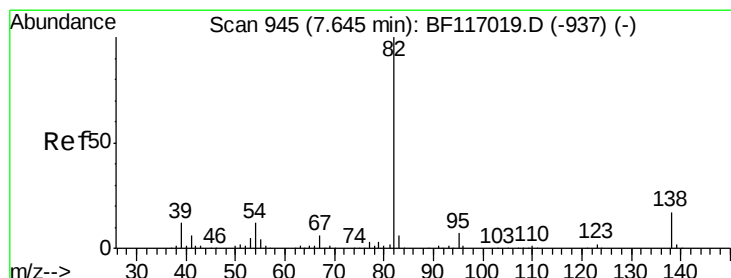
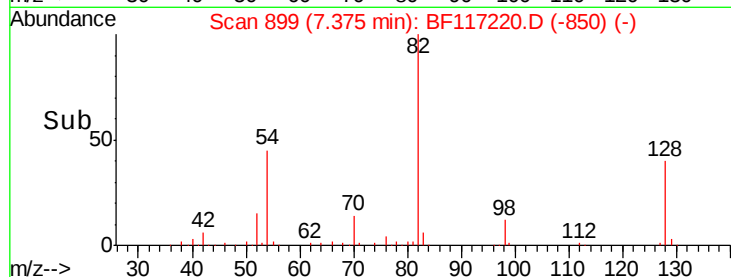
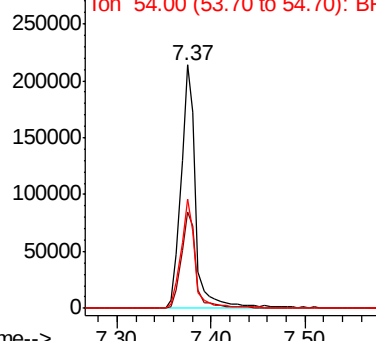
#23
Nitrobenzene-d5
Concen: 93.354 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF117220.D
Acq: 24 Sep 2019 17:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.8	32.3	48.5
54	45.0	33.3	49.9

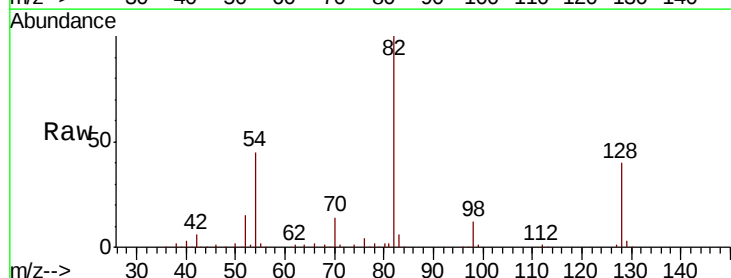


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

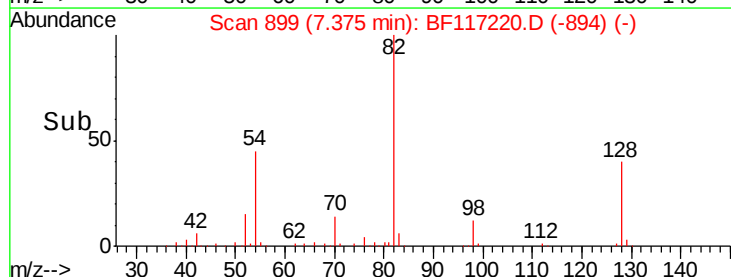
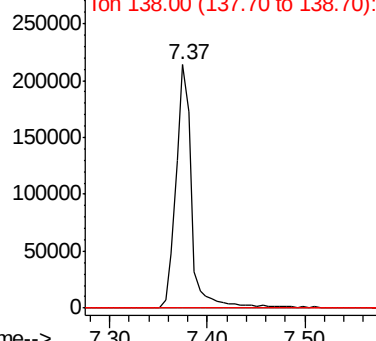


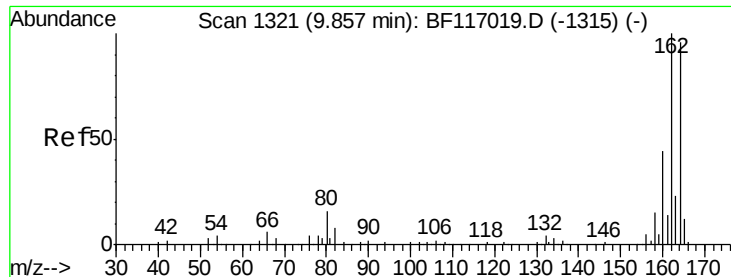
#25
Isophorone
Concen: 52.725 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.27 min
Lab File: BF117220.D
Acq: 24 Sep 2019 17:20

Tgt 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): BF1

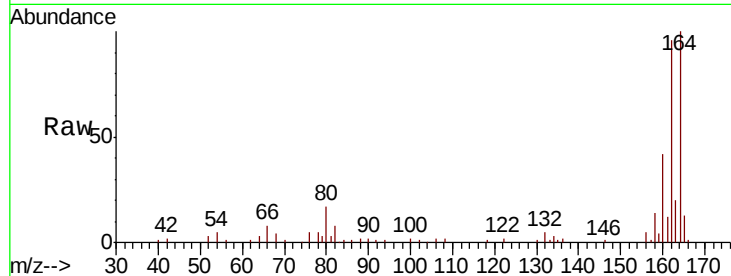




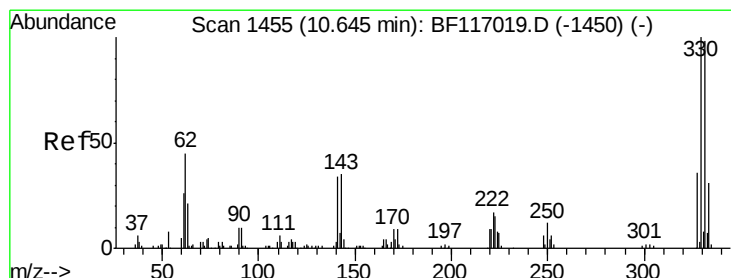
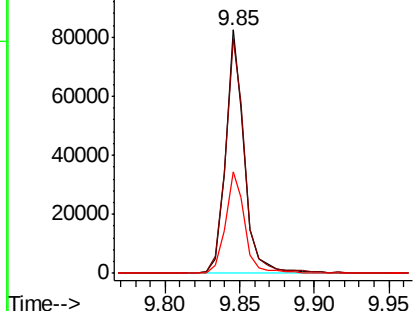
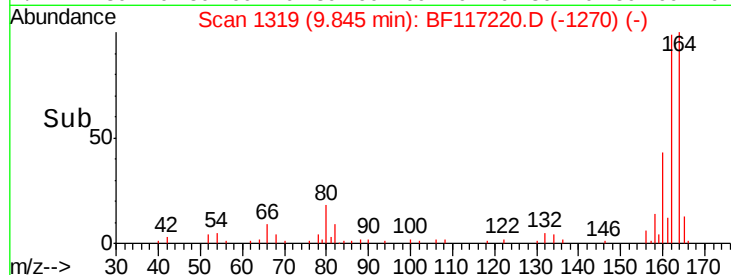
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117220.D
Acq: 24 Sep 2019 17:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 72704
Ion Ratio Lower Upper
164 100
162 96.3 83.4 125.2
160 41.9 36.4 54.6

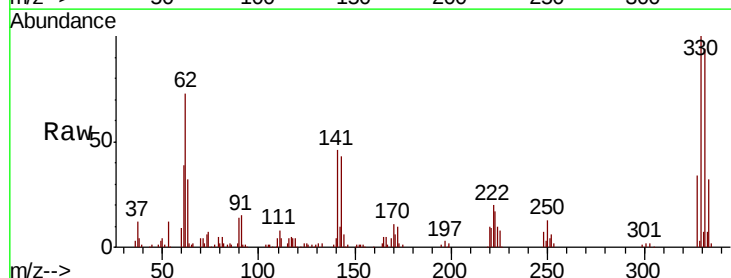


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

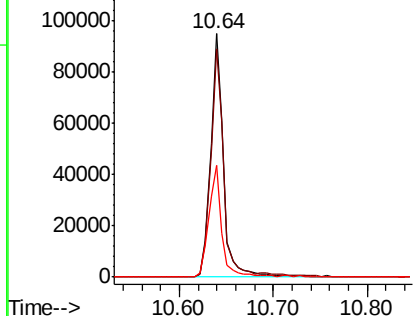
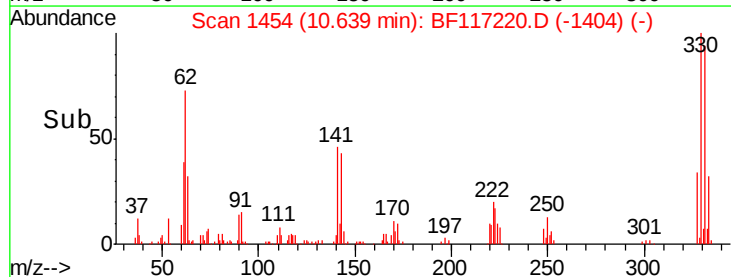


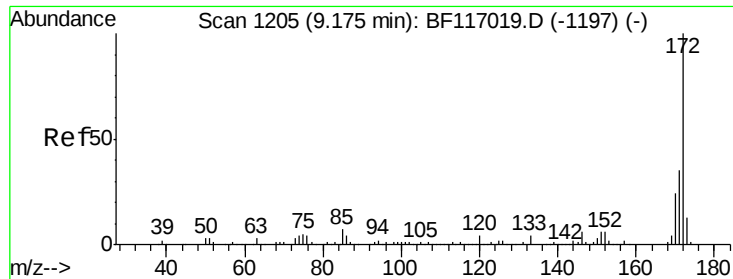
#42
2,4,6-Tribromophenol
Concen: 152.856 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117220.D
Acq: 24 Sep 2019 17:20

Tgt Ion:330 Resp: 92881
Ion Ratio Lower Upper
330 100
332 95.4 78.0 117.0
141 45.9 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

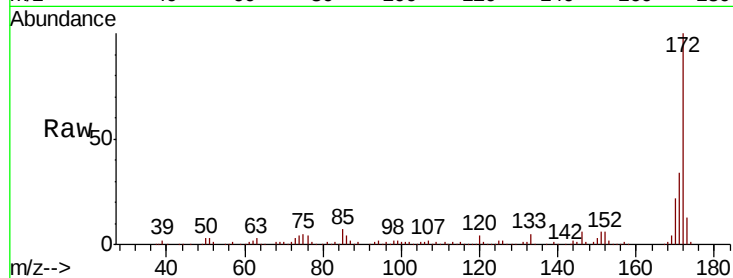




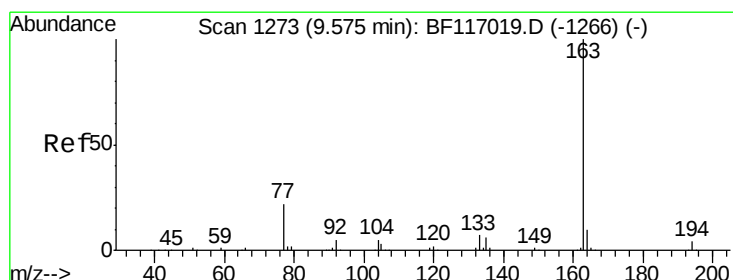
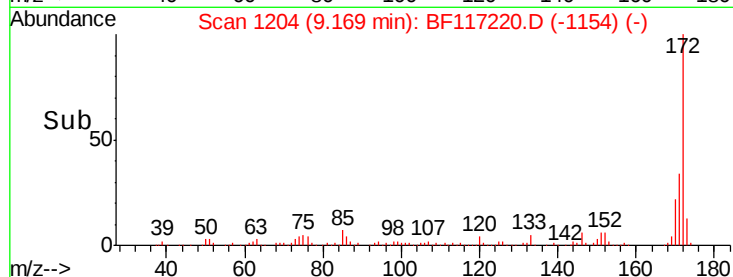
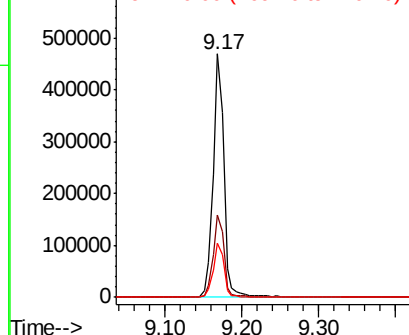
#45
2-Fluorobiphenyl
Concen: 96.972 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF117220.D
Acq: 24 Sep 2019 17:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 450908
Ion Ratio Lower Upper
172 100
171 33.9 28.2 42.2
170 22.4 18.9 28.3

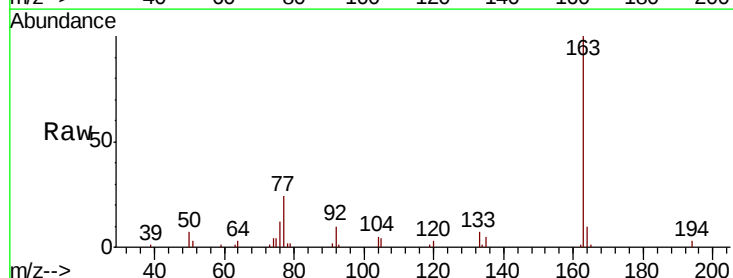


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

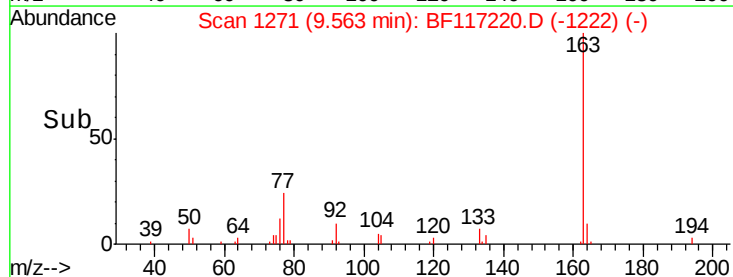
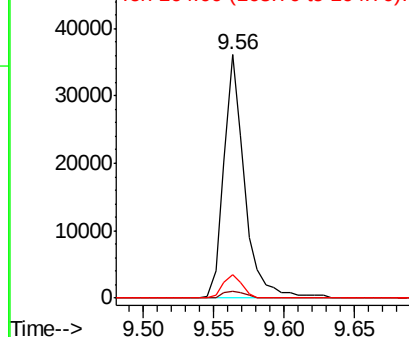


#50
Dimethylphthalate
Concen: 7.200 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117220.D
Acq: 24 Sep 2019 17:20

Tgt Ion:163 Resp: 37064
Ion Ratio Lower Upper
163 100
194 3.0 2.9 4.3
164 9.8 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

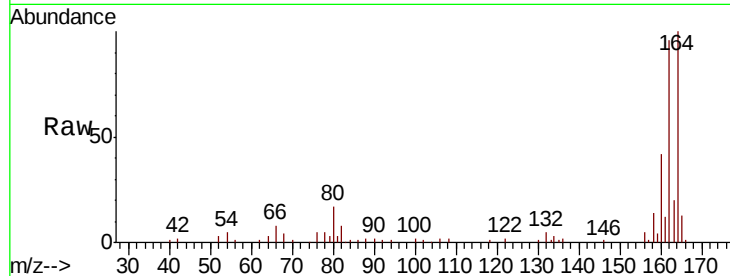




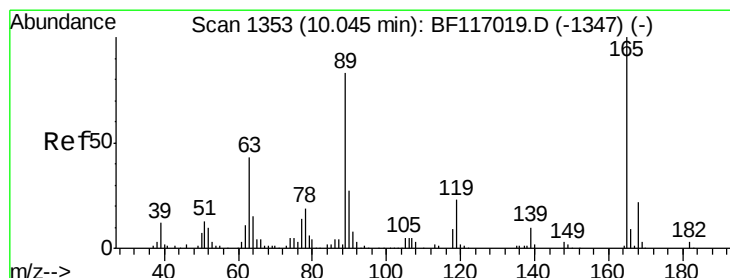
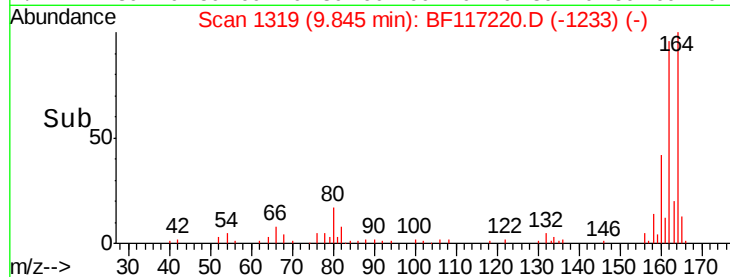
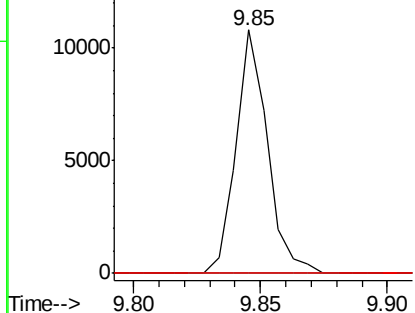
#51
 2,6-Dinitrotoluene
 Concen: 8.853 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF117220.D
 Acq: 24 Sep 2019 17:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:	165	Resp:	9282
Ion Ratio	Lower	Upper	
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#

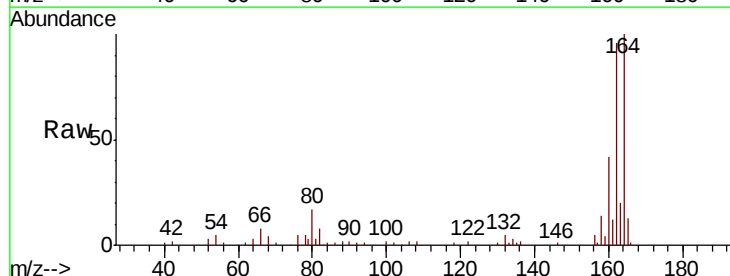


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

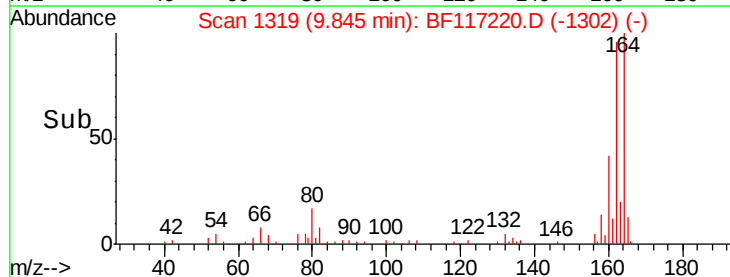
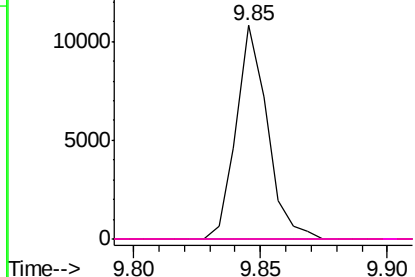


#57
 2,4-Dinitrotoluene
 Concen: 6.820 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF117220.D
 Acq: 24 Sep 2019 17:20

Tgt Ion:	165	Resp:	9282
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: BF117220.D

Acq: 24 Sep 2019 17:20

Instrument :

BNA_F

ClientSampled :

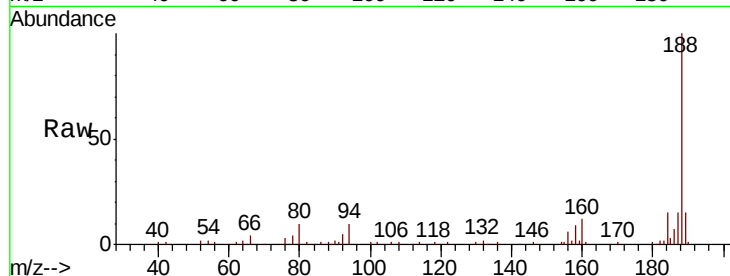
Tot Ion:188 Resp: 115683

Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.2

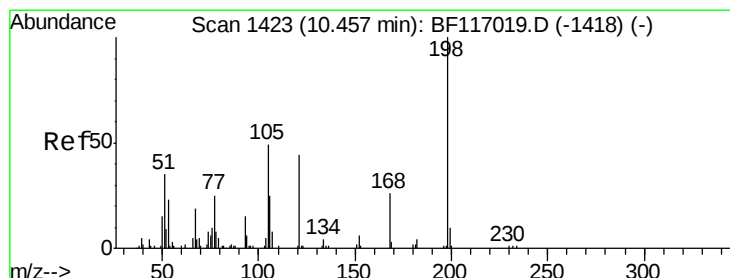
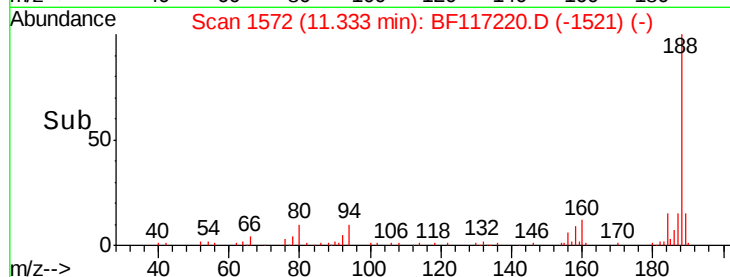
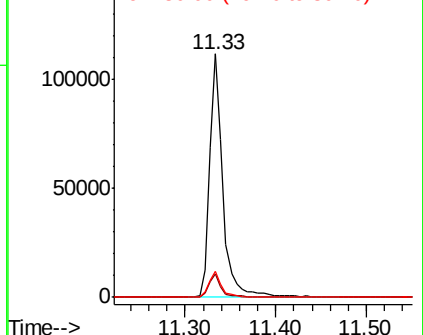
80 10.4 9.0 13.6



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: 7.096 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF117220.D

Acq: 24 Sep 2019 17:20

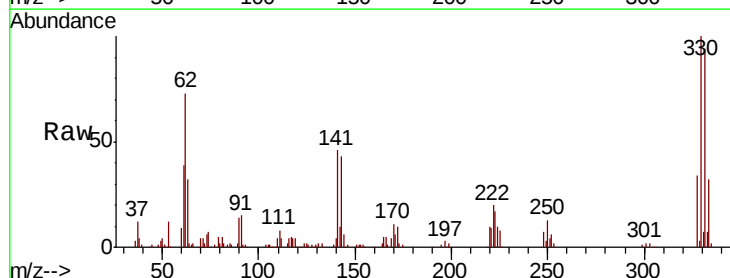
Tgt Ion:198 Resp: 119

Ion Ratio Lower Upper

198 100

51 176.8 18.7 58.7#

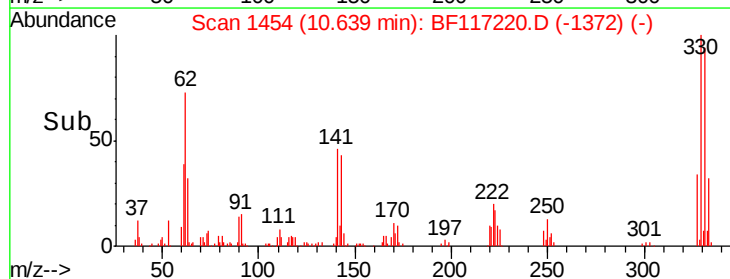
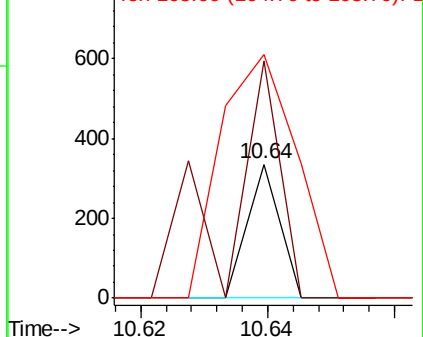
105 181.5 30.2 70.2#



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

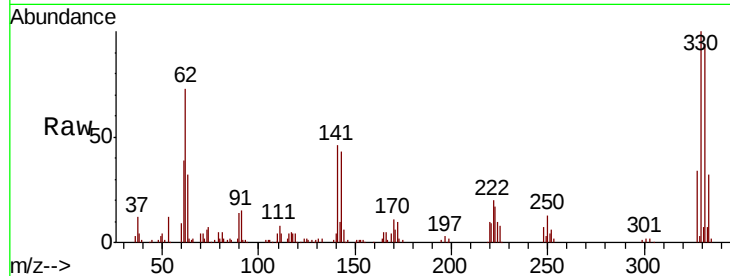




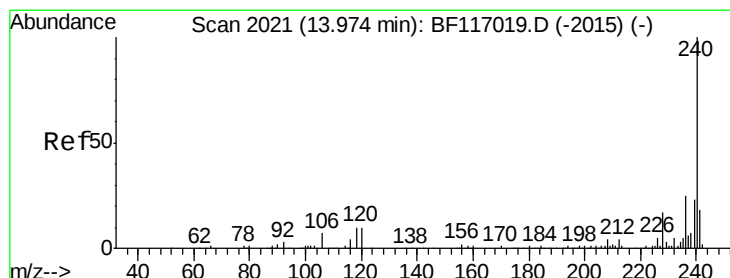
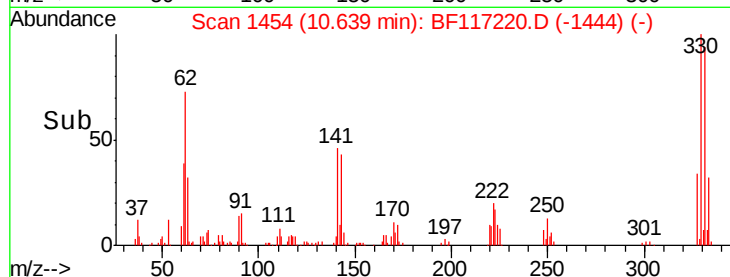
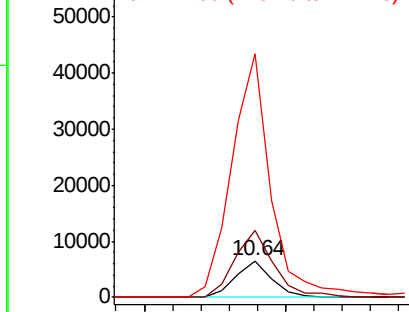
#67
4-Bromophenyl-phenylether
Concen: 4.963 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117220.D
Acq: 24 Sep 2019 17:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 5863
Ion Ratio Lower Upper
248 100
250 184.5 76.2 114.4#
141 670.1 75.0 112.4#

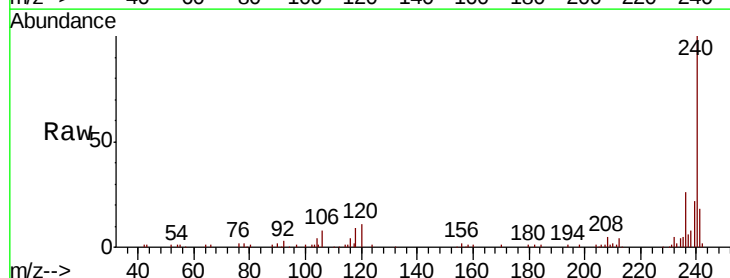


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

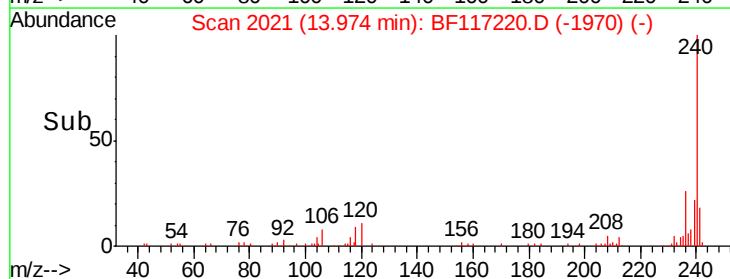
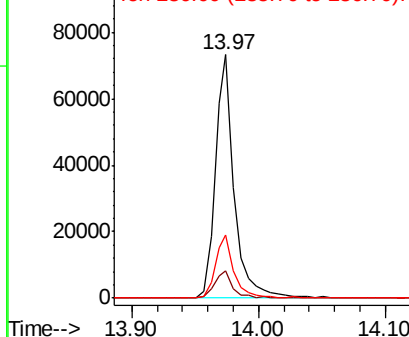


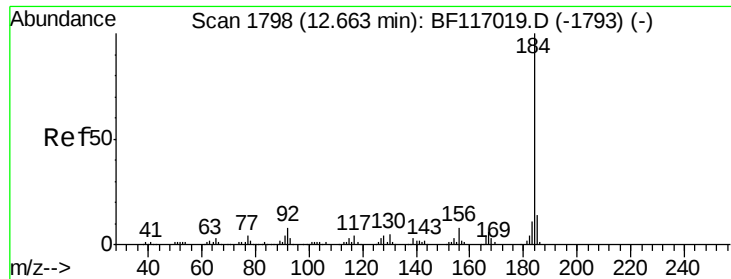
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117220.D
Acq: 24 Sep 2019 17:20

Tgt Ion:240 Resp: 75969
Ion Ratio Lower Upper
240 100
120 11.1 8.3 12.5
236 25.9 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: 2.974 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.26 min

Lab File: BF117220.D

Acq: 24 Sep 2019 17:20

Instrument :

BNA_F

ClientSampleId :

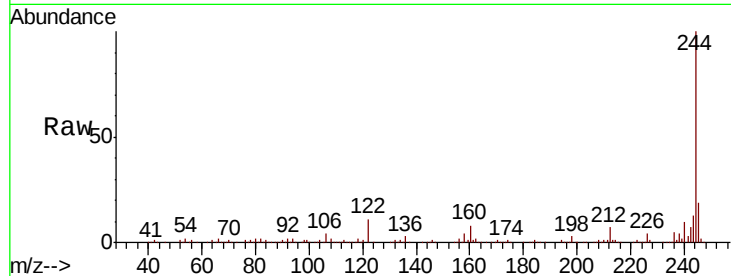
Tot Ion:184 Resp: 7279

Ion Ratio Lower Upper

184 100

185 14.3 11.6 17.4

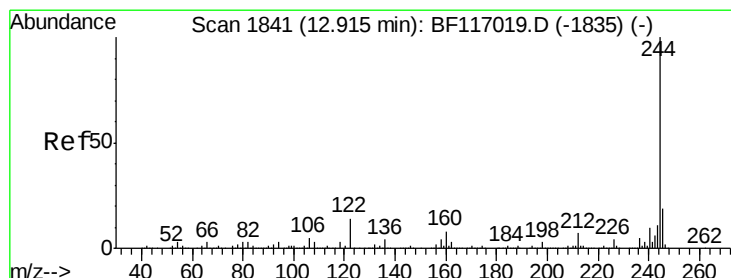
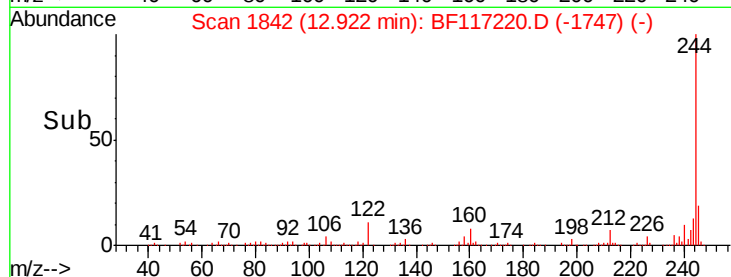
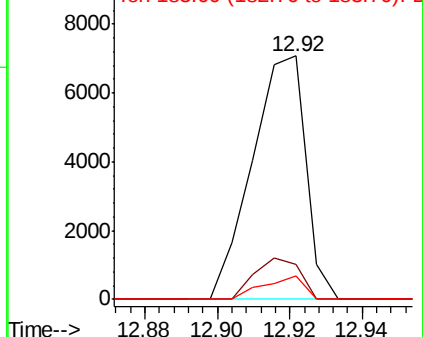
183 9.8 9.0 13.4



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: 120.929 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BF117220.D

Acq: 24 Sep 2019 17:20

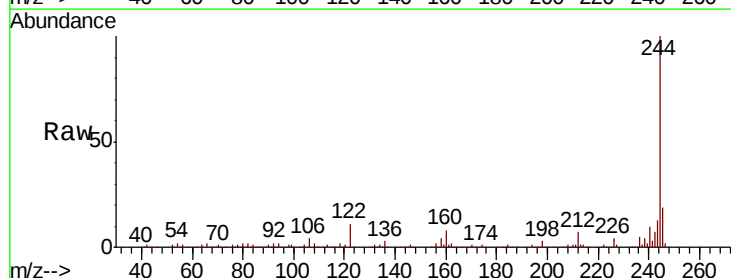
Tgt Ion:244 Resp: 491479

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

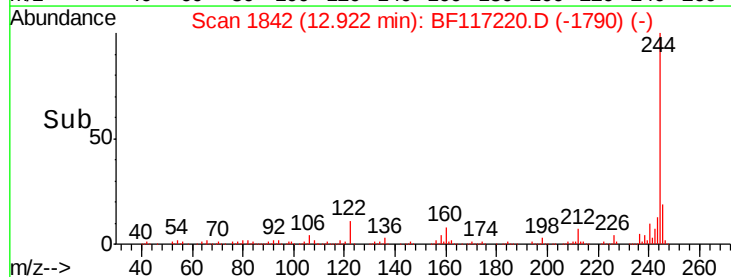
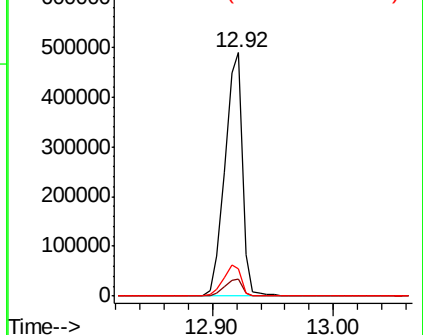
122 11.1 11.3 16.9#

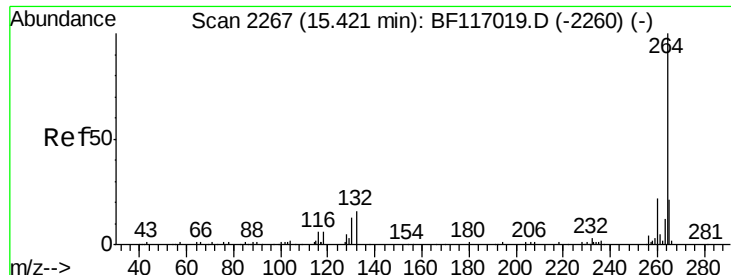


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

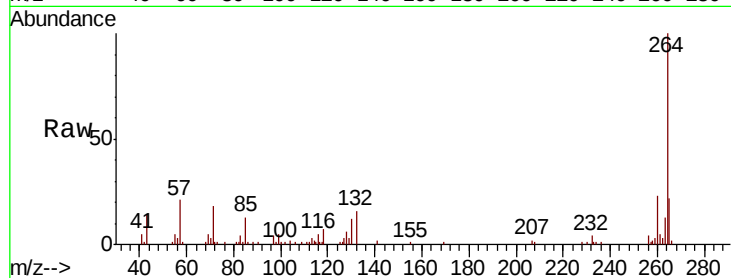




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF117220.D
 Acq: 24 Sep 2019 17:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.6	26.4
265	21.5	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

