

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
 Data File : BF117165.D
 Acq On : 19 Sep 2019 00:27
 Operator : HP/JU
 Sample : K4925-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:18:02 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	47946	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	266098	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	137958	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	236187	20.00	ng	0.00
76) Chrysene-d12	13.96	240	171039	20.00	ng	-0.01
87) Perylene-d12	15.41	264	163086	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	271826	88.51	ng	0.00
7) Phenol-d6	6.46	99	307050	77.37	ng	0.00
23) Nitrobenzene-d5	7.38	82	287201	56.71	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	117919	102.27	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	573044	64.95	ng	0.00
79) Terphenyl-d14	12.91	244	565539	61.81	ng	0.00

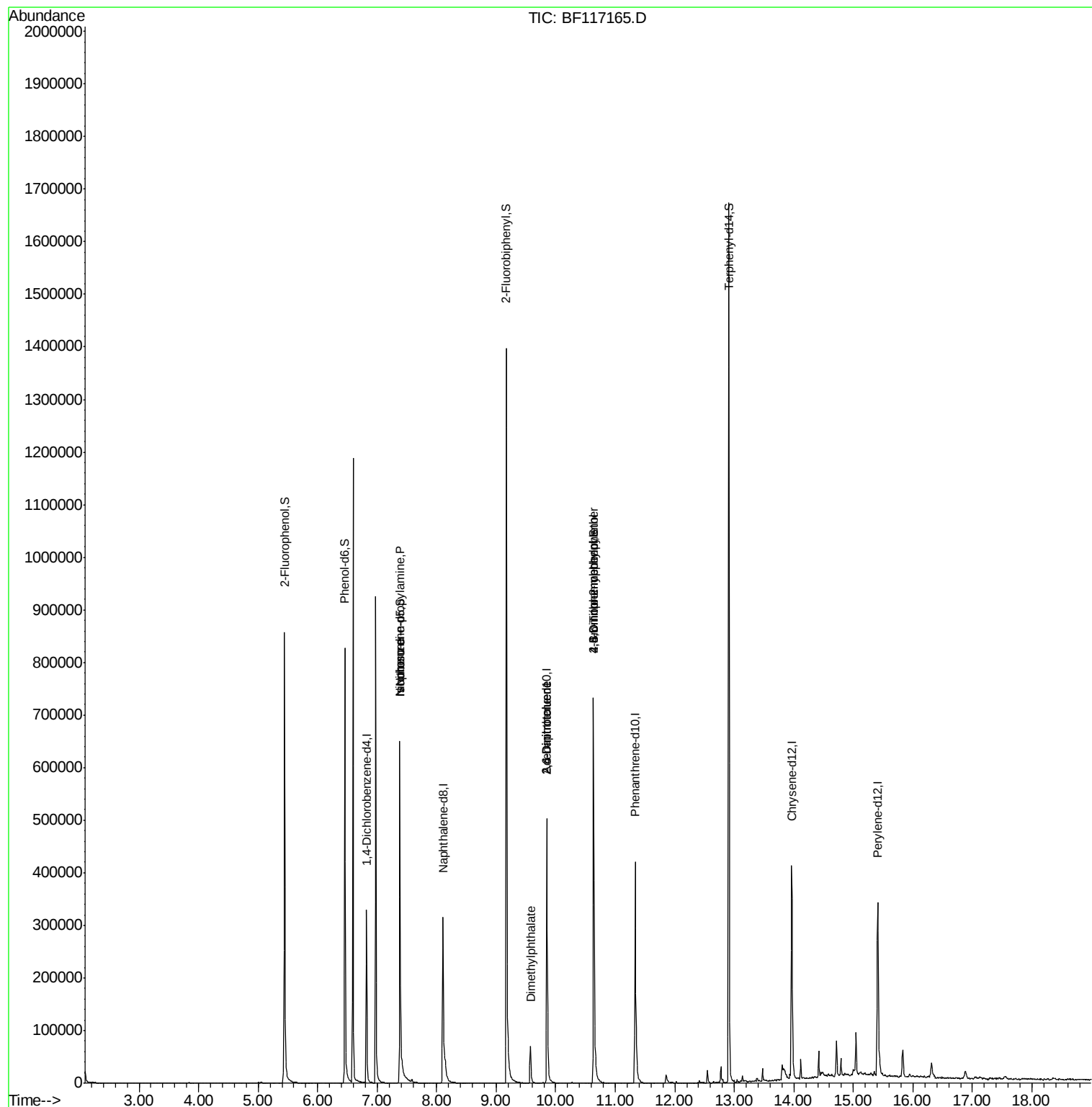
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.59	77	7022	Below Cal	#	77
19) n-Nitroso-di-n-propylamine	7.38	70	38489	15.926	ng	# 81
25) Isophorone	7.38	82	287198	32.028	ng	# 66
50) Dimethylphthalate	9.57	163	50003	5.119	ng	99
51) 2,6-Dinitrotoluene	9.85	165	16505	8.296	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	16505	6.391	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.63	198	114	6.993	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	7520	3.118	ng	# 1

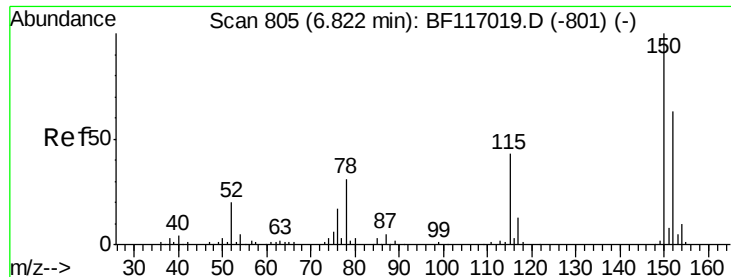
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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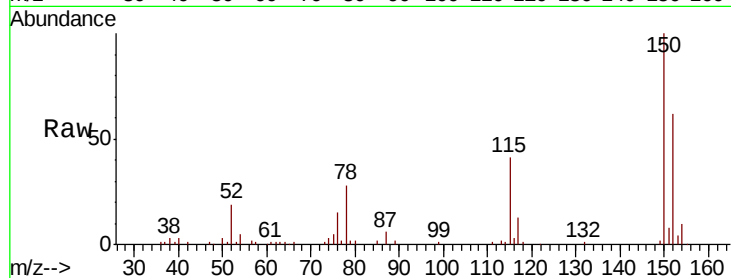


#1

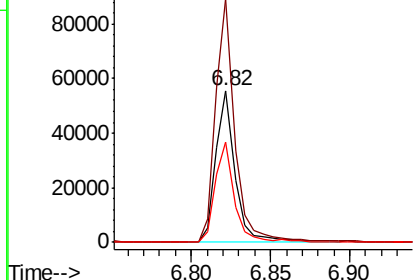
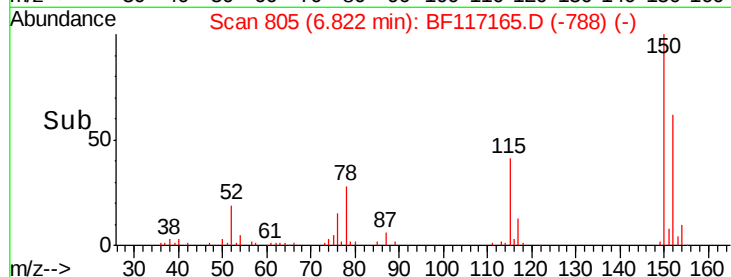
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117165.D
Acq: 19 Sep 2019 00:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 47946
Ion Ratio Lower Upper
152 100
150 160.5 127.5 191.3
115 66.2 55.0 82.4



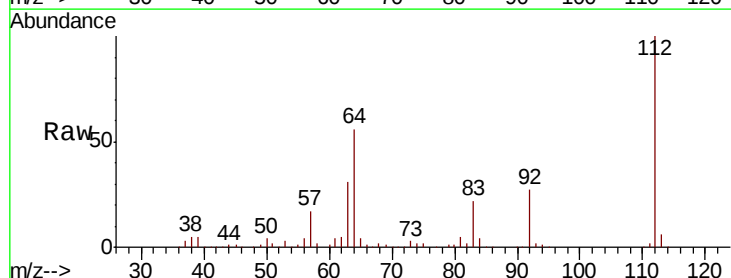
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



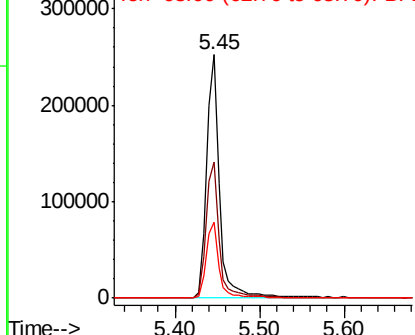
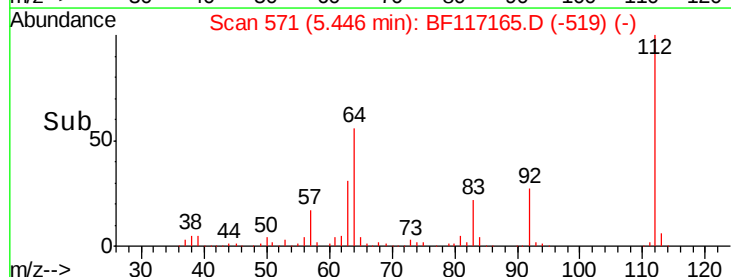
#5

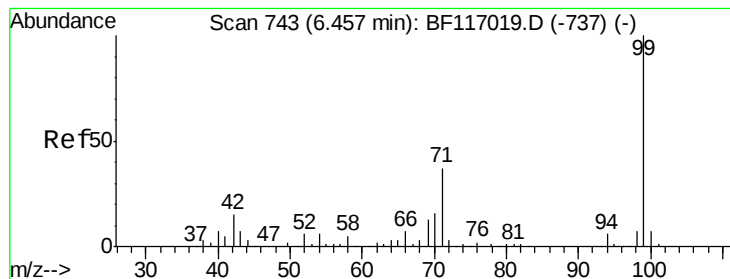
2-Fluorophenol
Concen: 88.514 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117165.D
Acq: 19 Sep 2019 00:27

Tgt Ion:112 Resp: 271826
Ion Ratio Lower Upper
112 100
64 55.8 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: 77.365 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117165.D

Acq: 19 Sep 2019 00:27

Instrument :

BNA_F

ClientSampleId :

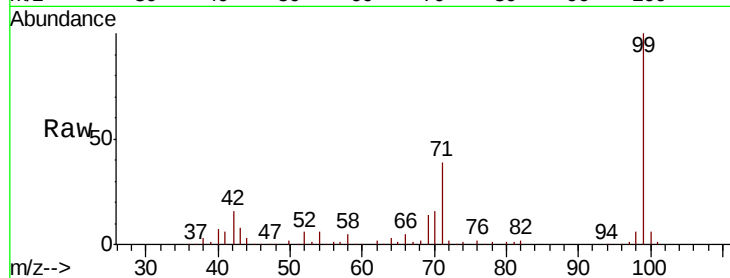
Tot Ion: 99 Resp: 307050

Ion Ratio Lower Upper

99 100

42 15.8 12.2 18.2

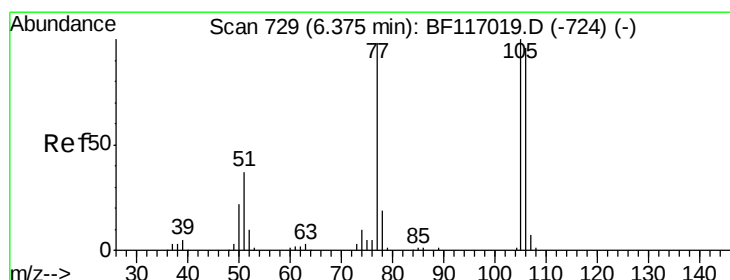
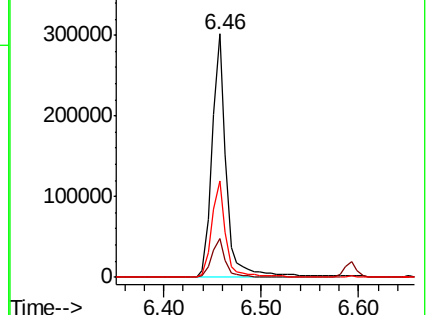
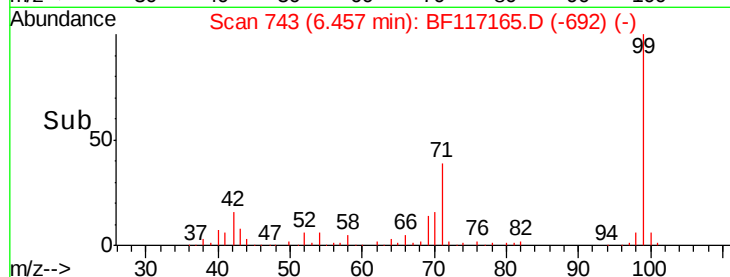
71 39.4 29.8 44.8



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: BF117165.D

Acq: 19 Sep 2019 00:27

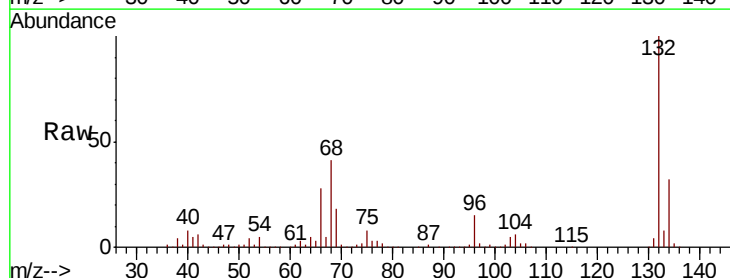
Tgt Ion: 77 Resp: 7022

Ion Ratio Lower Upper

77 100

105 81.8 81.8 121.8#

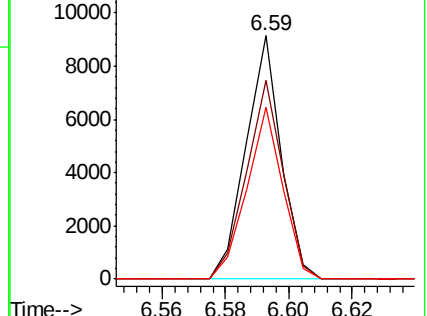
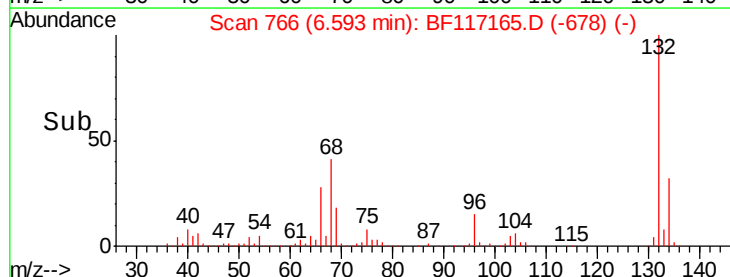
106 70.4 77.3 117.3#



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

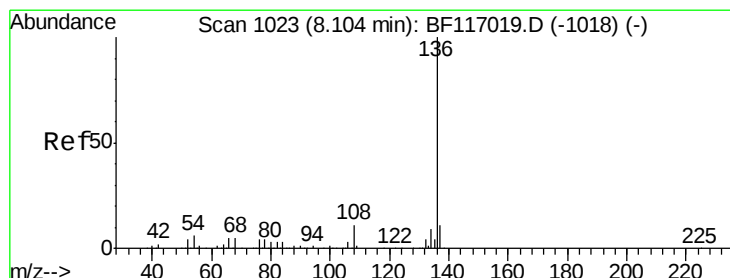
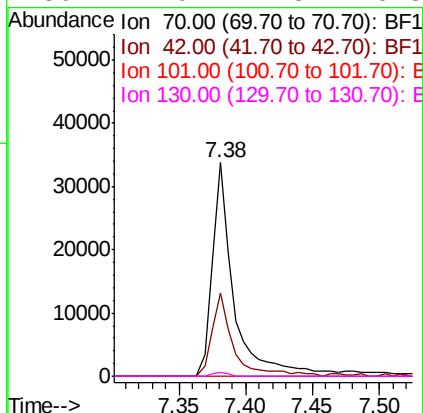
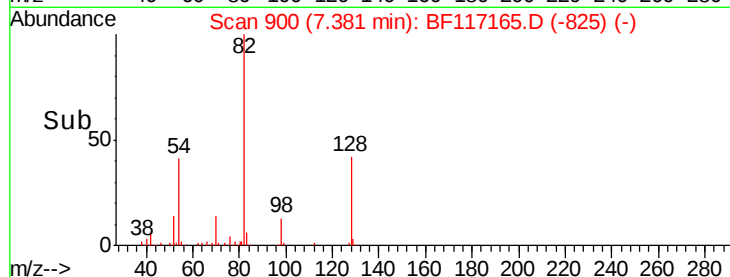
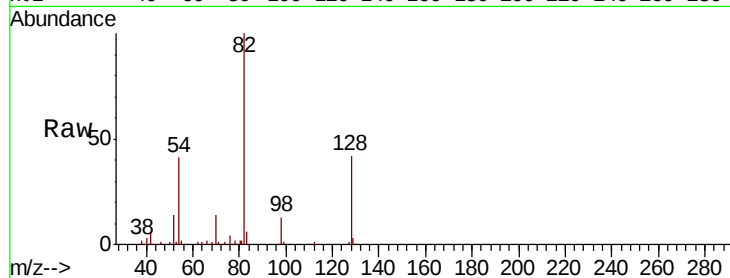




#19
n-Nitroso-di-n-propylamine
Concen: 15.926 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.14 min
Lab File: BF117165.D
Acq: 19 Sep 2019 00:27

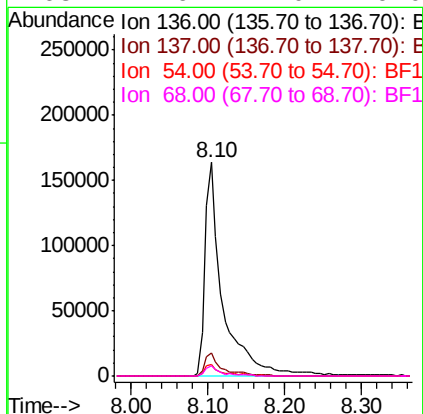
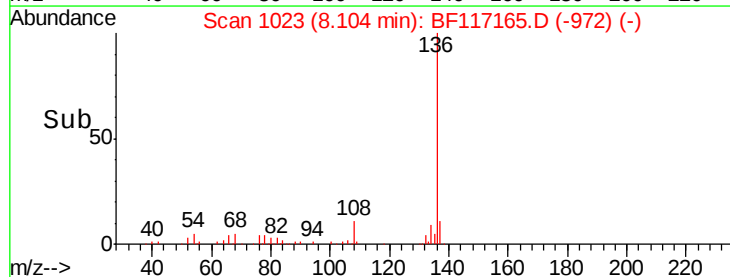
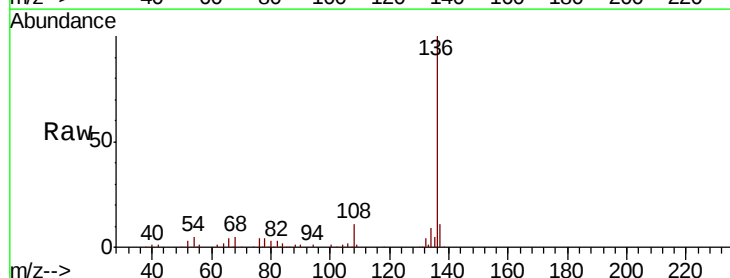
Instrument :
BNA_F
ClientSampled :

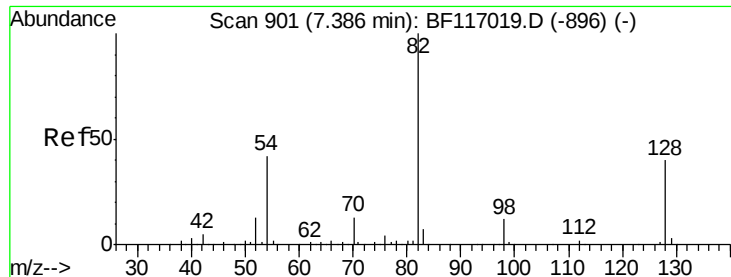
Tot Ion: 70 Resp: 38489
Ion Ratio Lower Upper
70 100
42 39.3 34.0 51.0
101 0.0 7.8 11.6#
130 2.0 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117165.D
Acq: 19 Sep 2019 00:27

Tgt Ion: 136 Resp: 266098
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 5.2 4.5 6.7
68 4.6 4.0 6.0

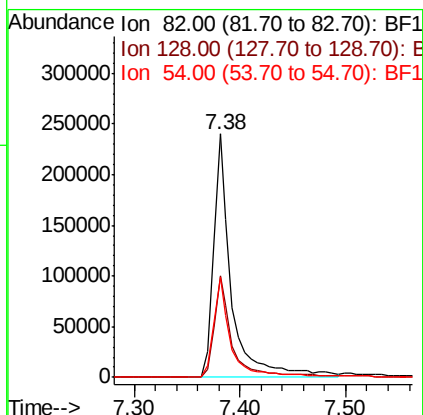
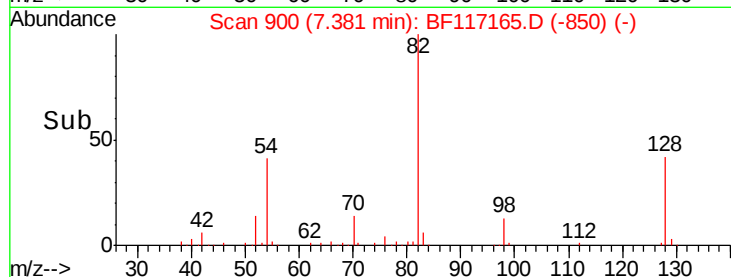
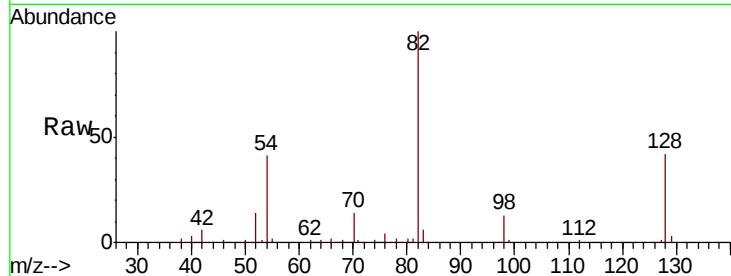




#23
Nitrobenzene-d5
Concen: 56.709 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117165.D
Acq: 19 Sep 2019 00:27

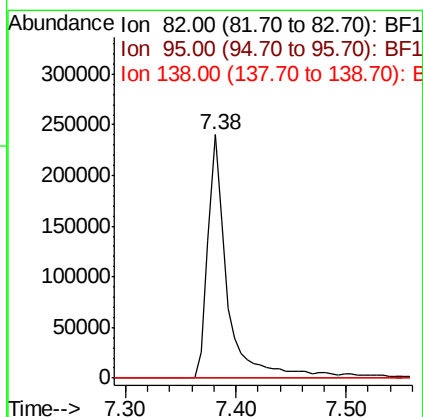
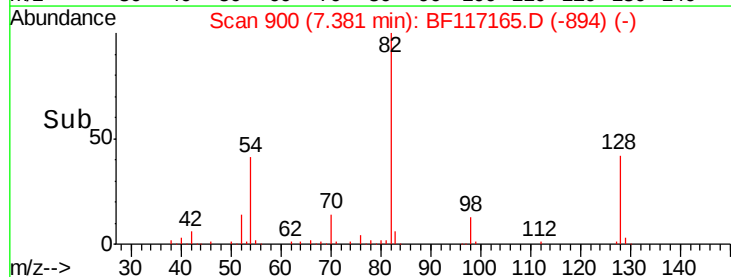
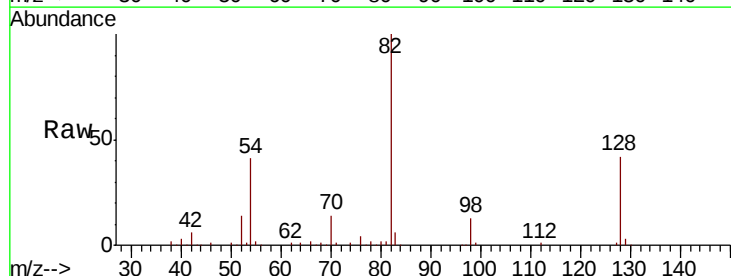
Instrument :
BNA_F
ClientSampleId :

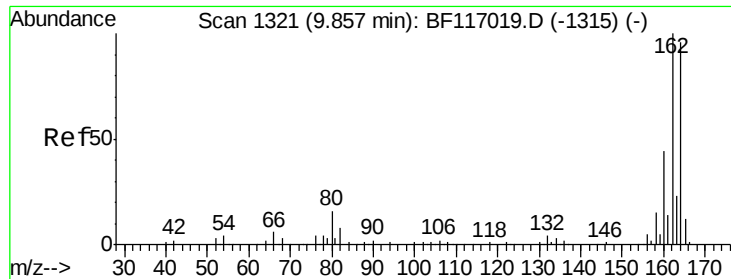
Tot Ion	82	Resp	287201
Ion Ratio	100	Lower	Upper
128	41.6	32.3	48.5
54	41.4	33.3	49.9



#25
Isophorone
Concen: 32.028 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.26 min
Lab File: BF117165.D
Acq: 19 Sep 2019 00:27

Tgt Ion	82	Resp	287198
Ion Ratio	100	Lower	Upper
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

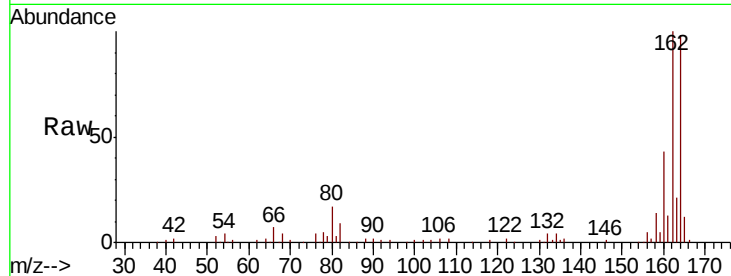




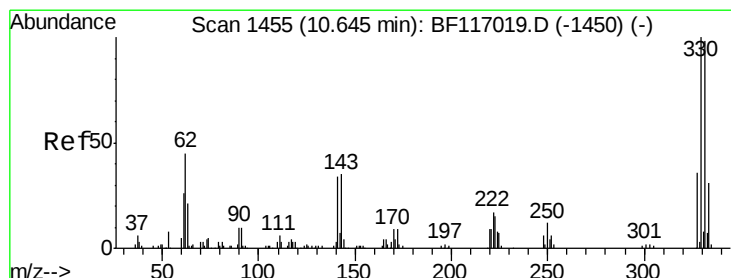
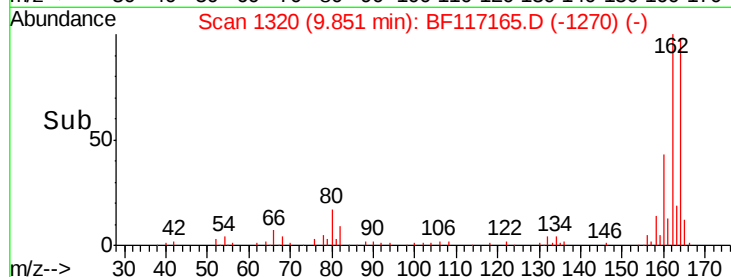
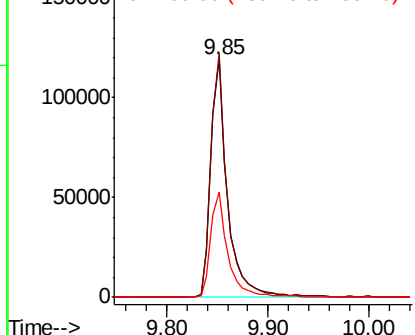
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117165.D
Acq: 19 Sep 2019 00:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 137958
Ion Ratio Lower Upper
164 100
162 102.3 83.4 125.2
160 44.2 36.4 54.6

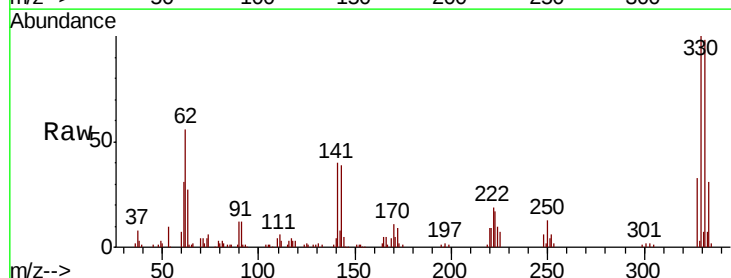


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

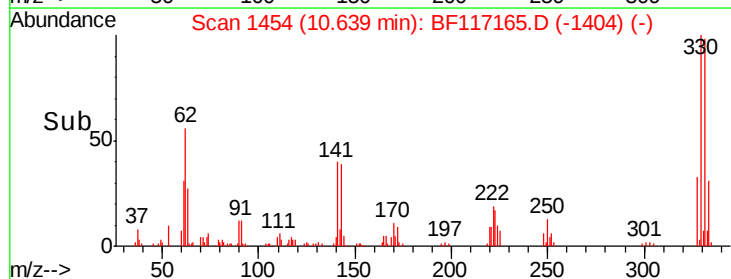
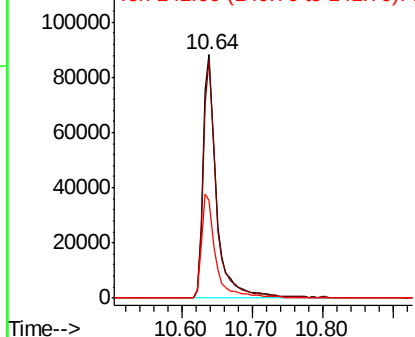


#42
2,4,6-Tribromophenol
Concen: 102.270 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117165.D
Acq: 19 Sep 2019 00:27

Tgt Ion:330 Resp: 117919
Ion Ratio Lower Upper
330 100
332 95.6 78.0 117.0
141 44.5 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

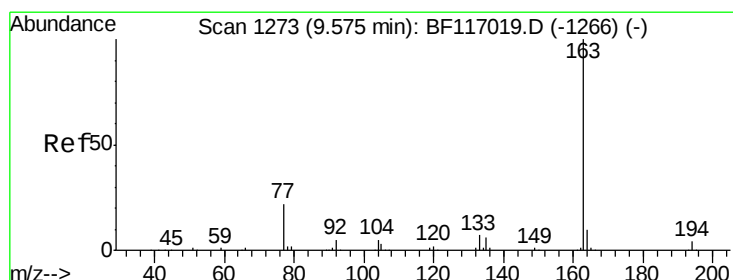
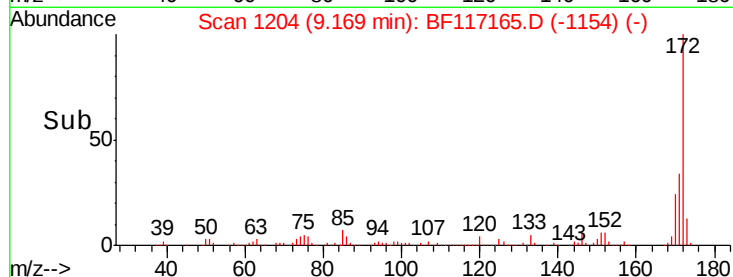
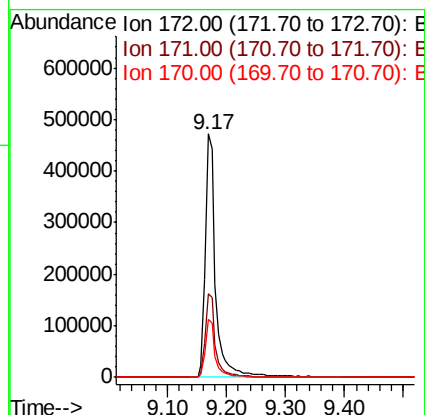
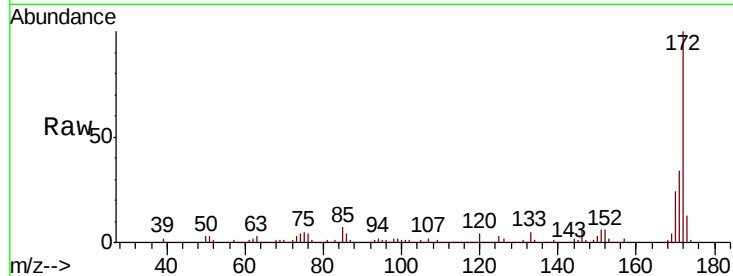




#45
2-Fluorobiphenyl
Concen: 64.947 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF117165.D
Acq: 19 Sep 2019 00:27

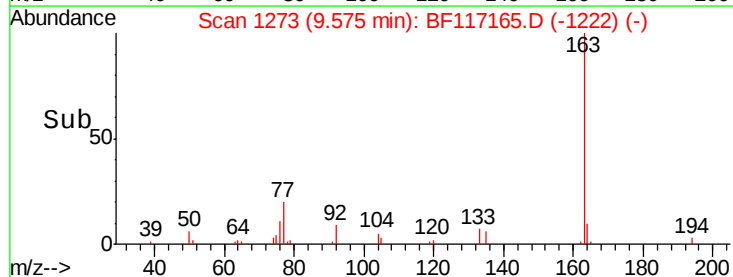
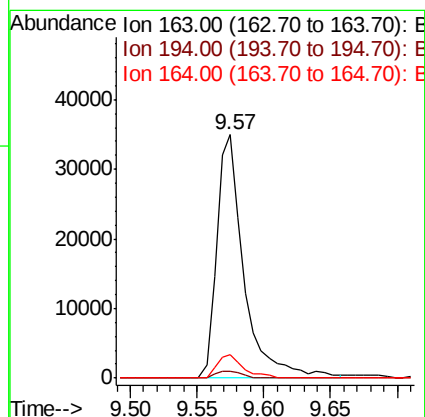
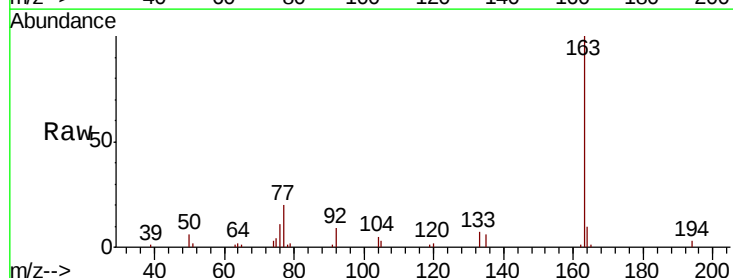
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 573044
Ion Ratio Lower Upper
172 100
171 34.2 28.2 42.2
170 23.7 18.9 28.3



#50
Dimethylphthalate
Concen: 5.119 ng
RT: 9.57 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BF117165.D
Acq: 19 Sep 2019 00:27

Tgt Ion:163 Resp: 50003
Ion Ratio Lower Upper
163 100
194 3.0 2.9 4.3
164 9.8 8.2 12.4

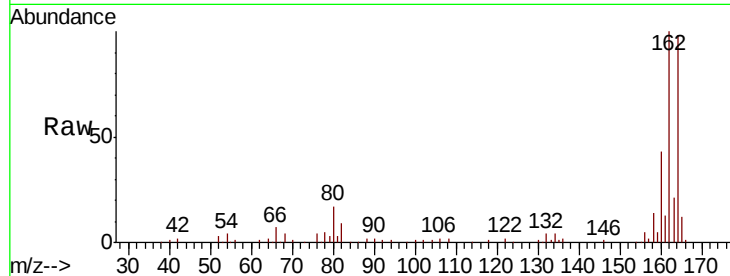




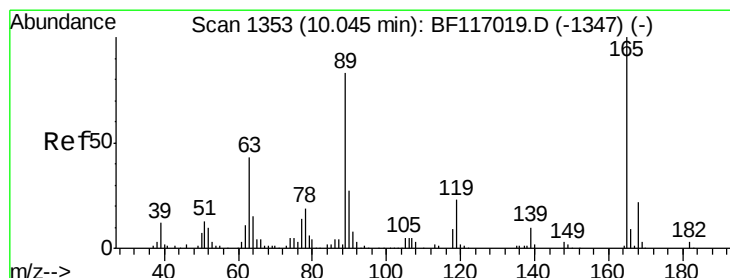
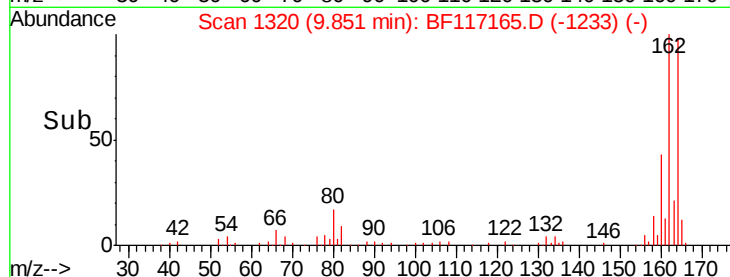
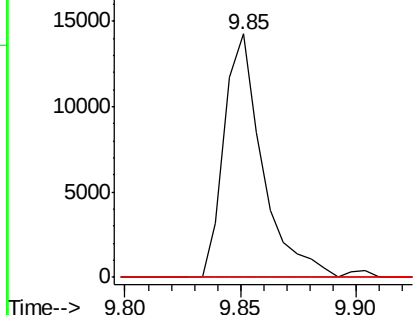
#51
 2,6-Dinitrotoluene
 Concen: 8.296 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117165.D
 Acq: 19 Sep 2019 00:27

Instrument :
 BNA_F
 ClientSampleId :

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

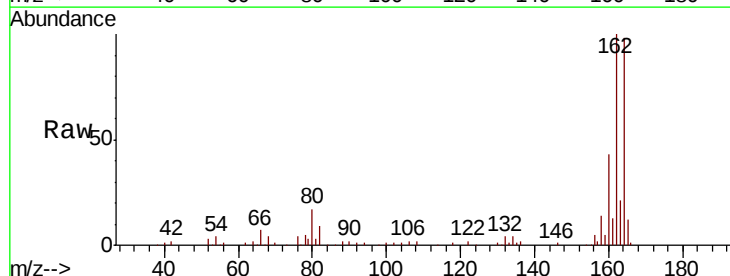


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

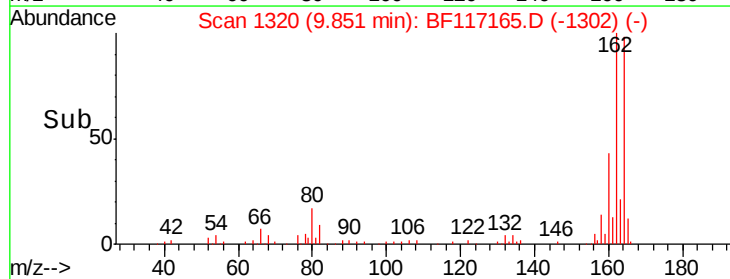
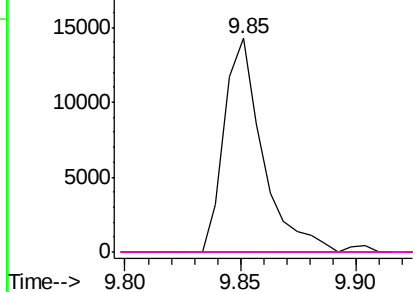


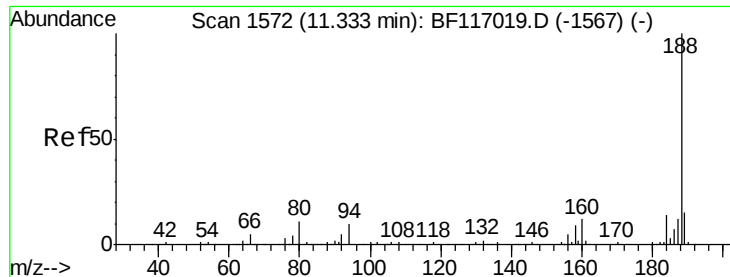
#57
 2,4-Dinitrotoluene
 Concen: 6.391 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117165.D
 Acq: 19 Sep 2019 00:27

Tgt 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: BF117165.D

Acq: 19 Sep 2019 00:27

Instrument :

BNA_F

ClientSampleId :

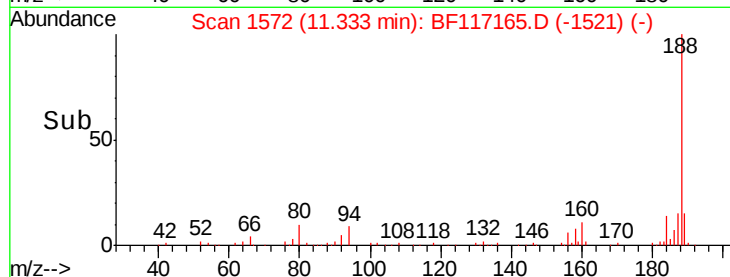
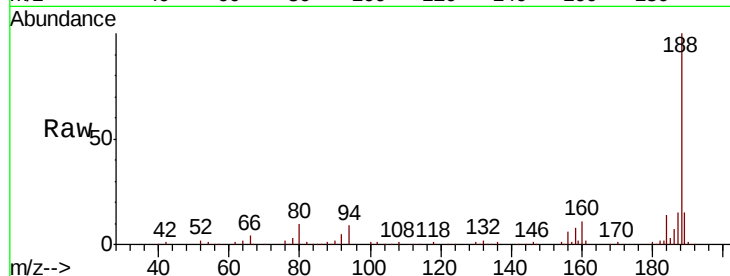
Tot Ion:188 Resp: 236187

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.2

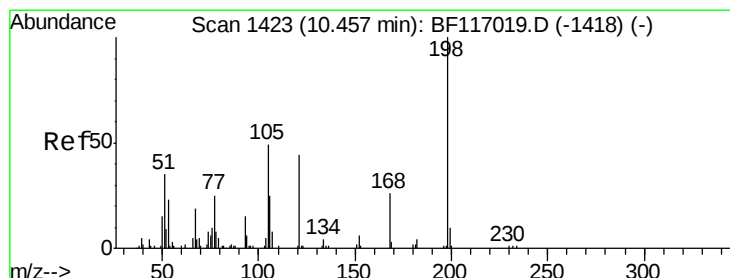
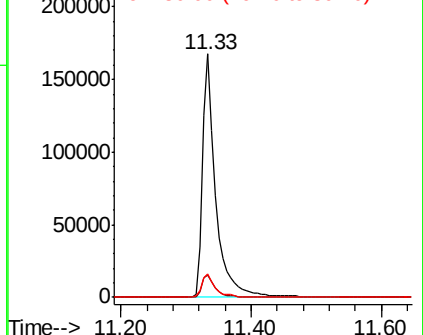
80 9.5 9.0 13.6



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: 6.993 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF117165.D

Acq: 19 Sep 2019 00:27

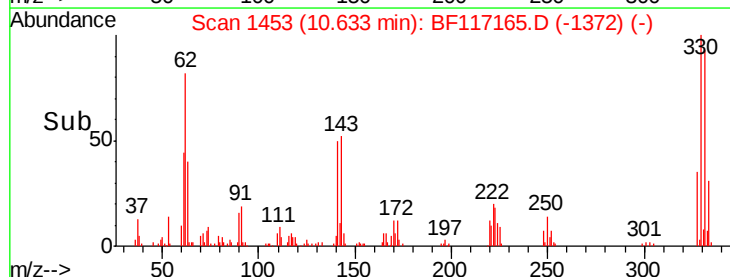
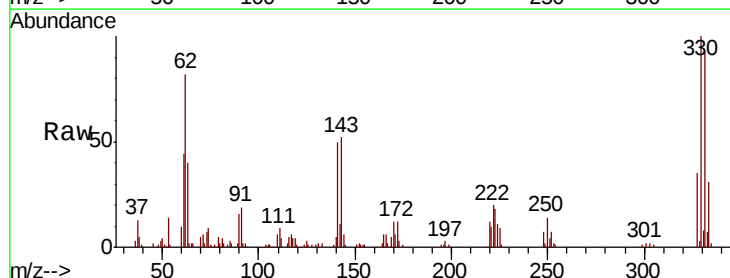
Tgt Ion:198 Resp: 114

Ion Ratio Lower Upper

198 100

51 151.1 18.7 58.7#

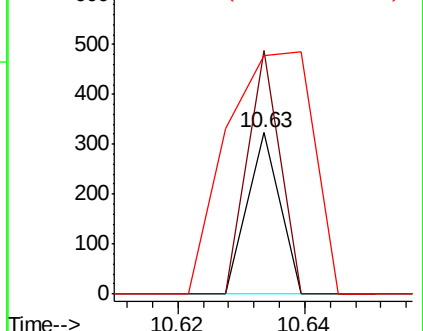
105 147.7 30.2 70.2#

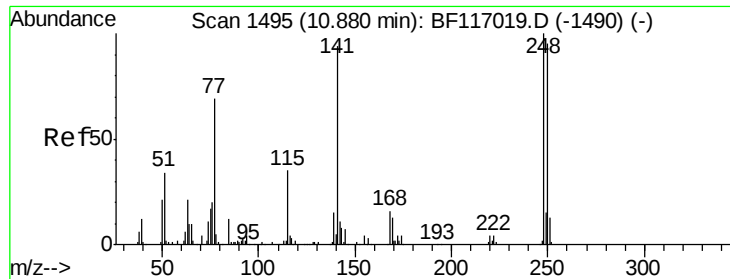


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

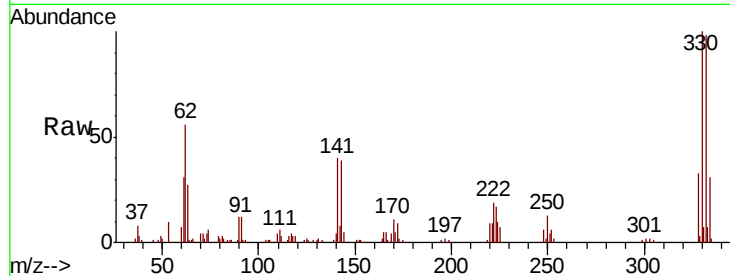




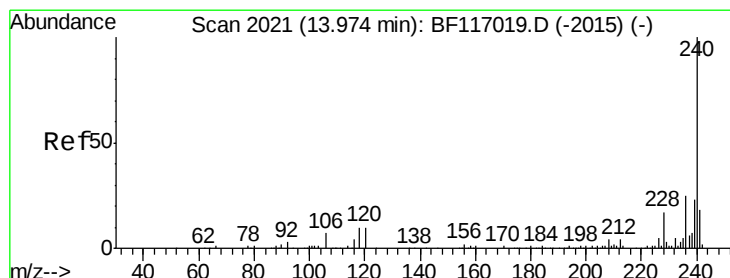
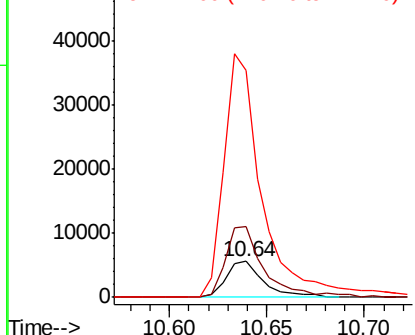
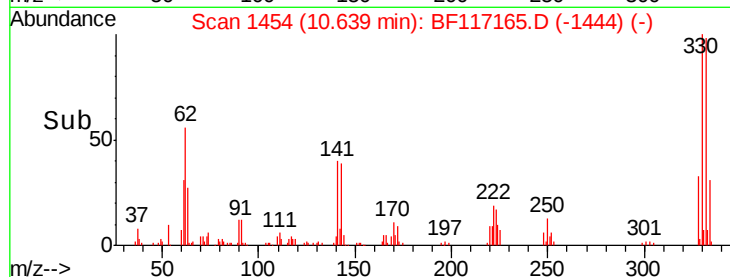
#67
 4-Bromophenyl-phenylether
 Concen: 3.118 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117165.D
 Acq: 19 Sep 2019 00:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 7520
 Ion Ratio Lower Upper
 248 100
 250 197.5 76.2 114.4#
 141 627.2 75.0 112.4#

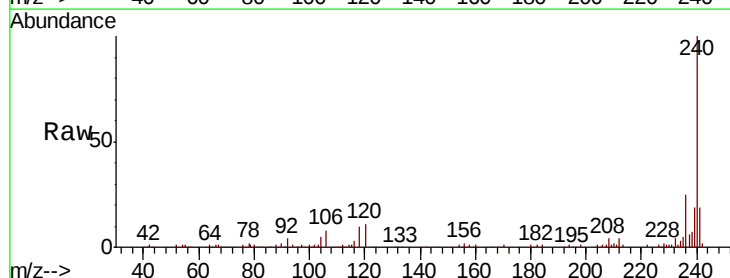


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

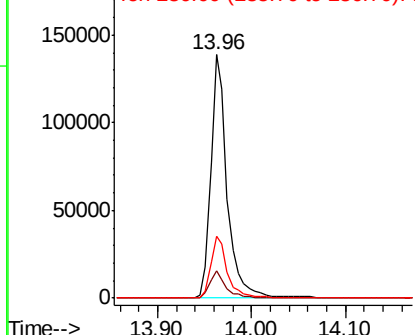
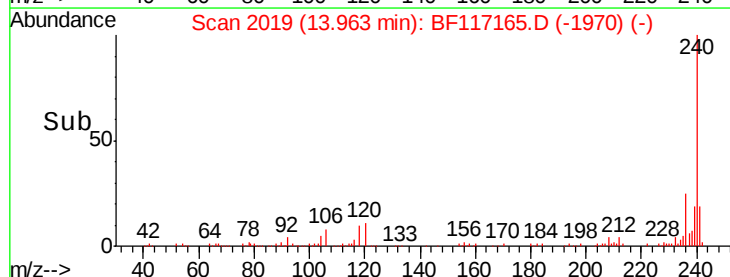


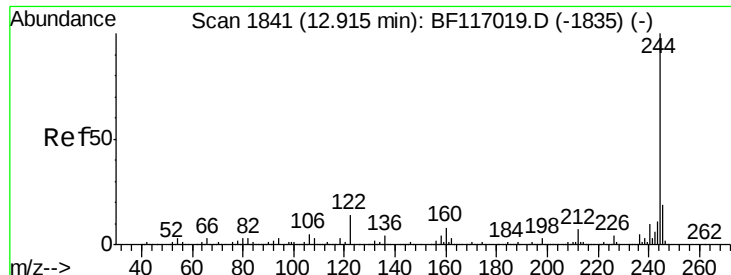
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF117165.D
 Acq: 19 Sep 2019 00:27

Tgt Ion:240 Resp: 171039
 Ion Ratio Lower Upper
 240 100
 120 11.4 8.3 12.5
 236 25.4 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

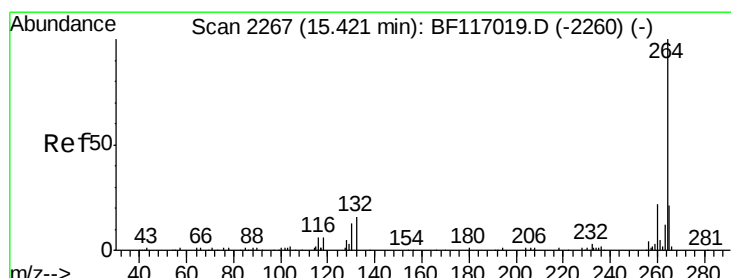
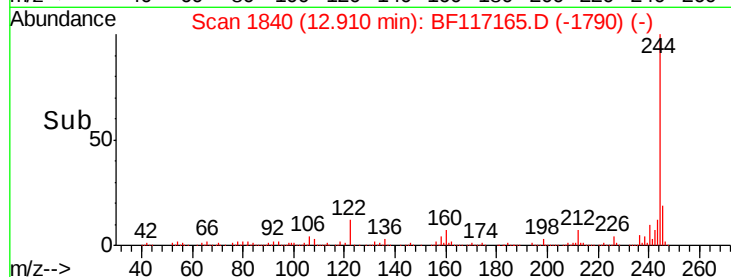
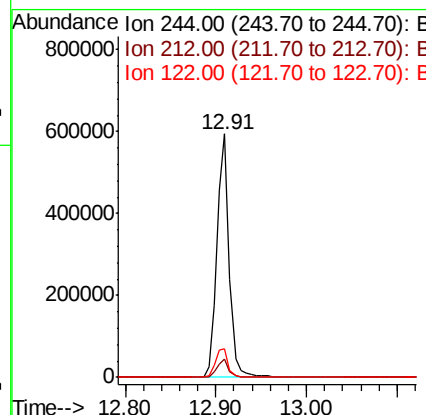
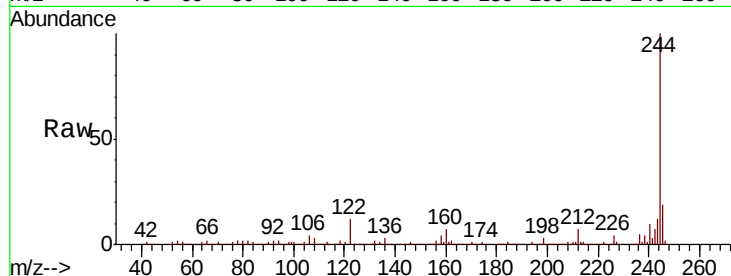




#79
 Terphenyl-d14
 Concen: 61.806 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117165.D
 Acq: 19 Sep 2019 00:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	11.6	11.3	16.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BF117165.D
 Acq: 19 Sep 2019 00:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.6	26.4
265	19.9	16.6	24.8

