

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
 Data File : BF118383.D
 Acq On : 30 Dec 2019 16:06
 Operator : JU
 Sample : PB125780BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 31 00:38:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

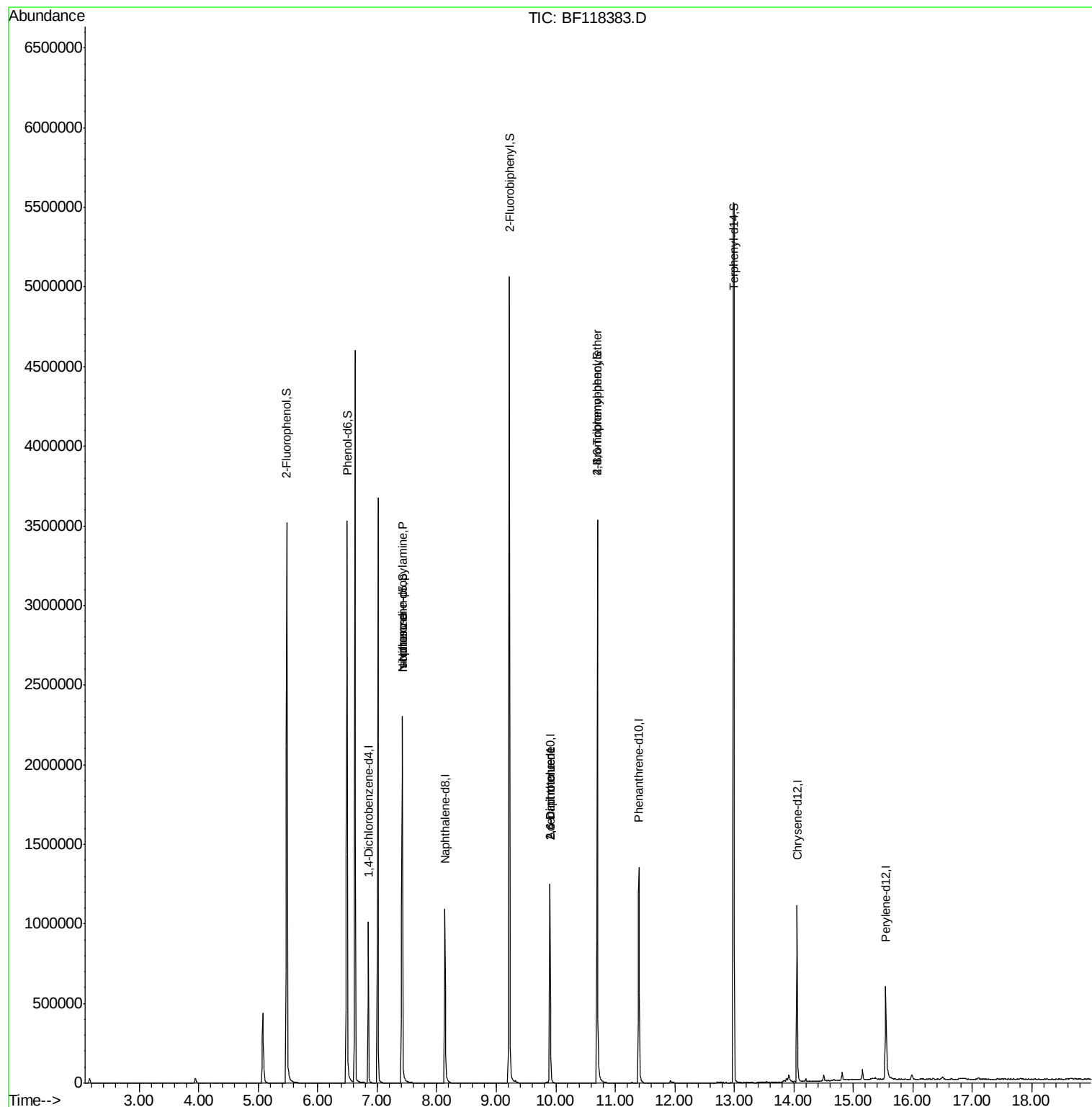
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	148304	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	581505	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	312615	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	594904	20.00	ng	0.00
76) Chrysene-d12	14.05	240	396234	20.00	ng	0.00
87) Perylene-d12	15.54	264	345231	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1136649	130.83	ng	0.02
7) Phenol-d6	6.49	99	1420412	131.79	ng	0.00
23) Nitrobenzene-d5	7.42	82	846715	83.28	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	486054	125.90	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1770656	86.46	ng	0.00
79) Terphenyl-d14	12.99	244	2169316	90.83	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	117325	17.671	ng	# 77
25) Isophorone	7.42	82	846705	47.785	ng	# 62
51) 2,6-Dinitrotoluene	9.90	165	39907	7.888	ng	# 26
57) 2,4-Dinitrotoluene	9.90	165	39907	5.903	ng	# 29
67) 4-Bromophenyl-phenylether	10.70	248	29349	4.216	ng	# 1

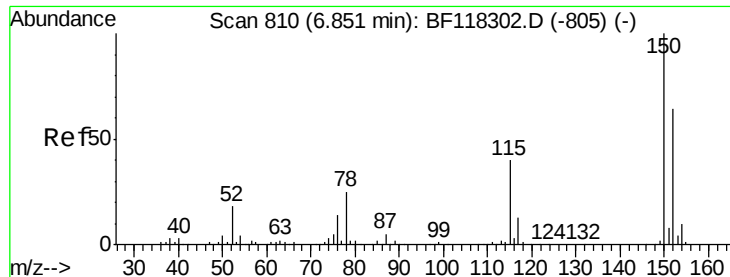
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF118383.D

Acq: 30 Dec 2019 16:06

Instrument :

BNA_F

ClientSampleId :

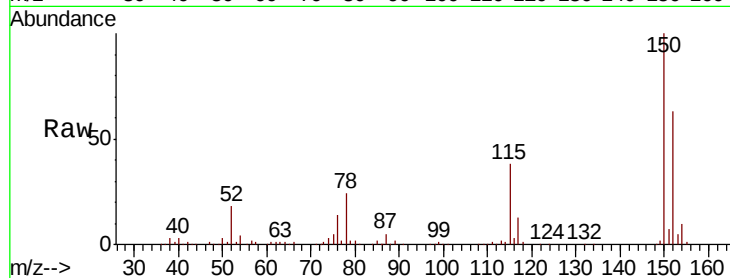
Tot Ion:152 Resp: 148304

Ion Ratio Lower Upper

152 100

150 159.8 125.4 188.2

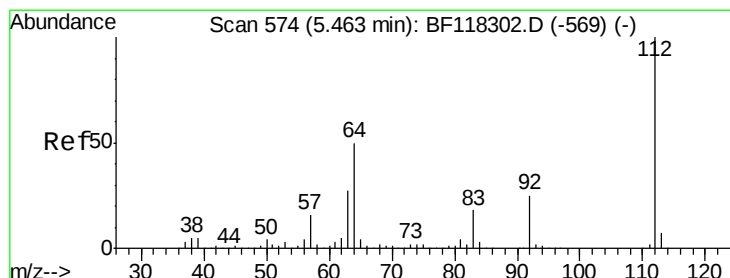
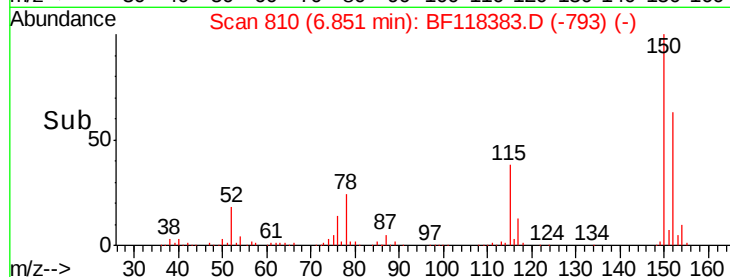
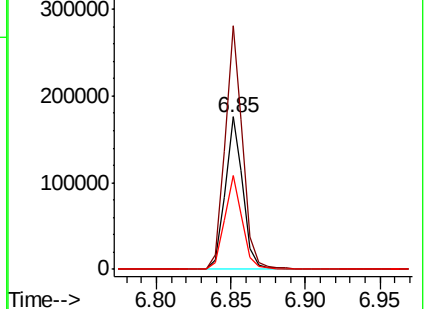
115 61.4 50.2 75.4



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: 130.829 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.02 min

Lab File: BF118383.D

Acq: 30 Dec 2019 16:06

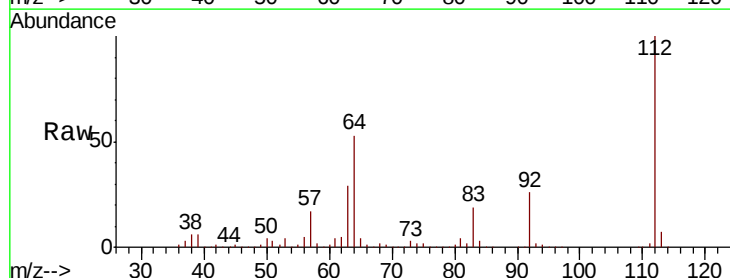
Tgt Ion:112 Resp: 1136649

Ion Ratio Lower Upper

112 100

64 53.1 39.7 59.5

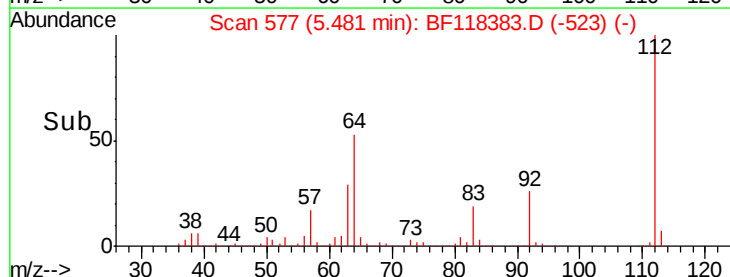
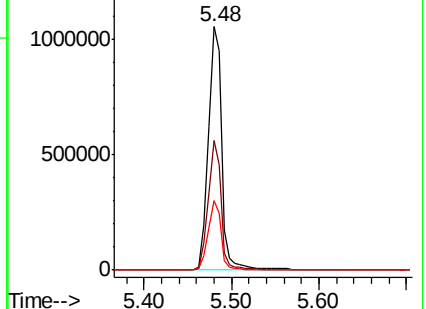
63 28.5 21.7 32.5

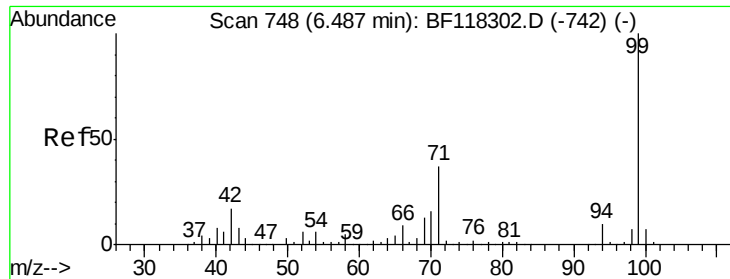


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 131.791 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF118383.D

Acq: 30 Dec 2019 16:06

Instrument :

BNA_F

ClientSampleId :

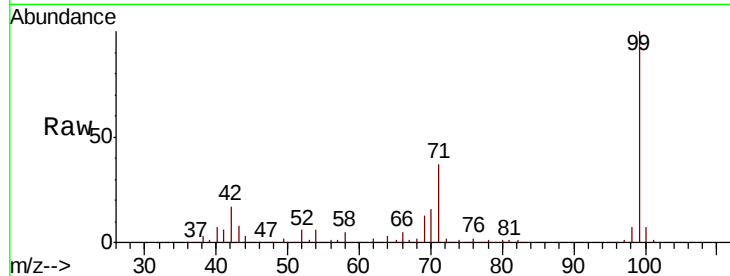
Tot Ion: 99 Resp: 1420412

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

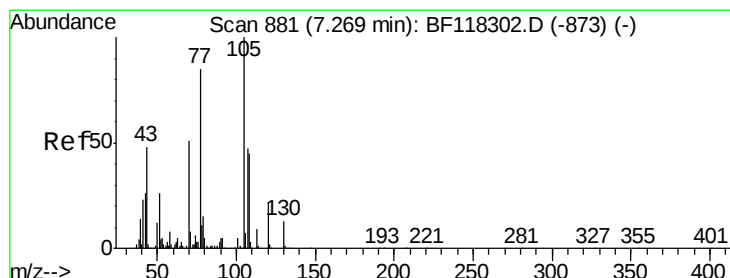
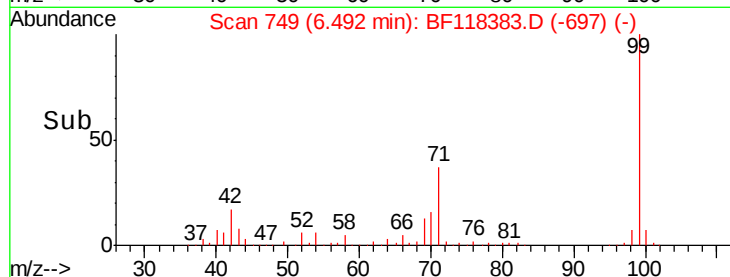
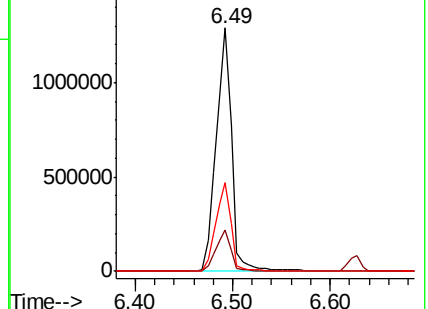
71 36.7 29.4 44.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.671 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF118383.D

Acq: 30 Dec 2019 16:06

Tgt Ion: 70 Resp: 117325

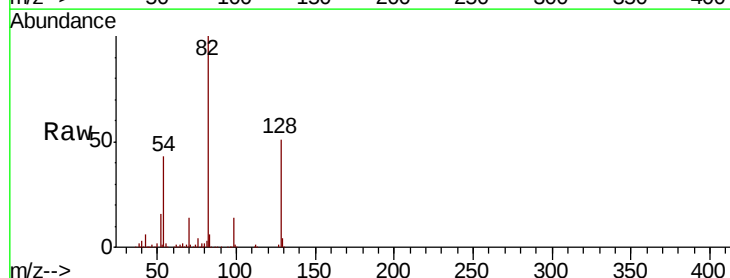
Ion Ratio Lower Upper

70 100

42 43.6 41.1 61.7

101 0.0 8.3 12.5#

130 2.4 20.1 30.1#

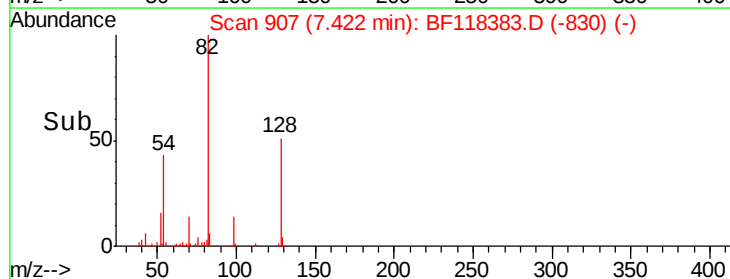
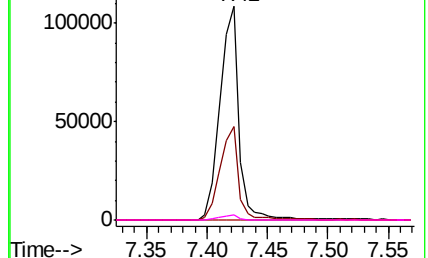


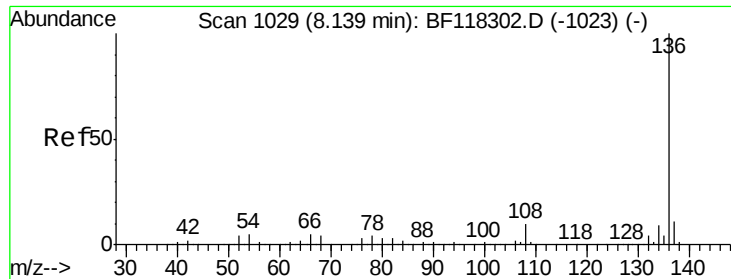
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

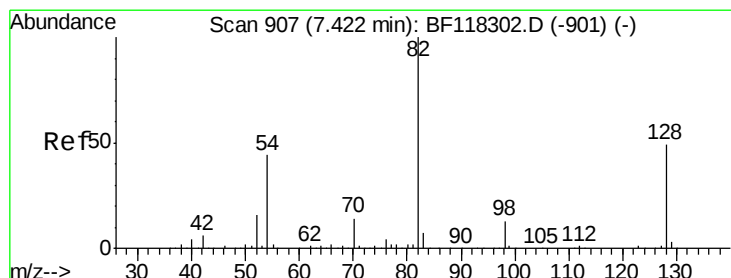
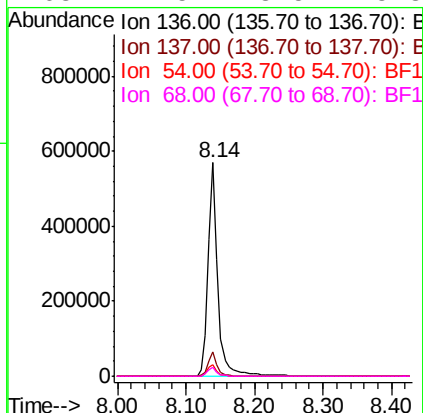
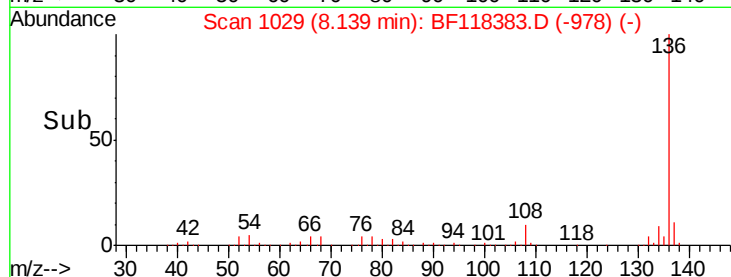
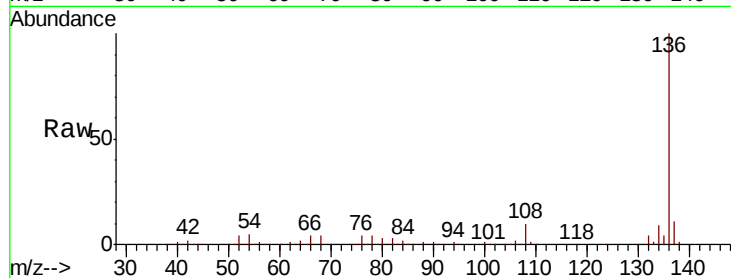




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118383.D
Acq: 30 Dec 2019 16:06

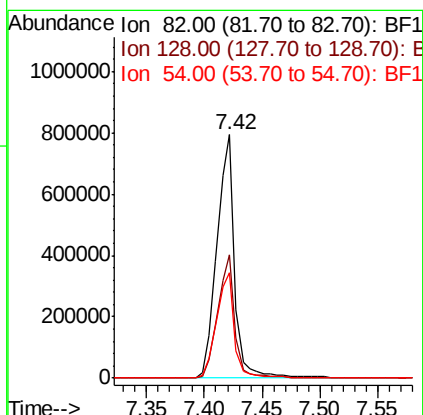
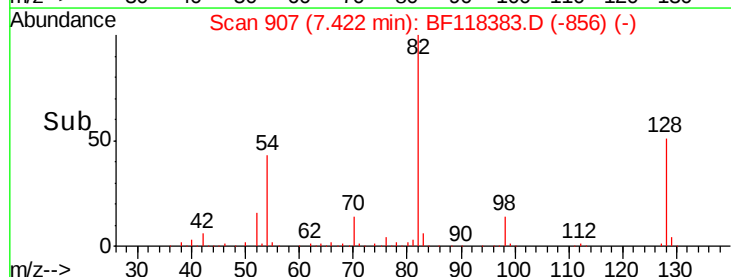
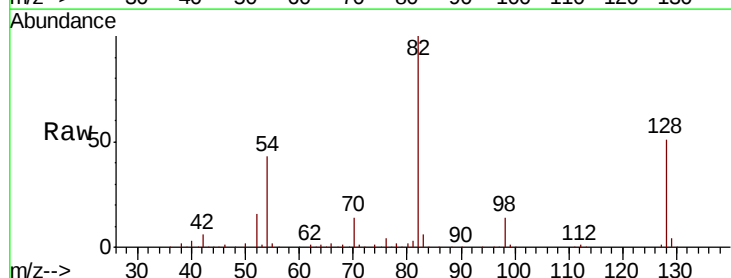
Instrument :
BNA_F
ClientSampleId :

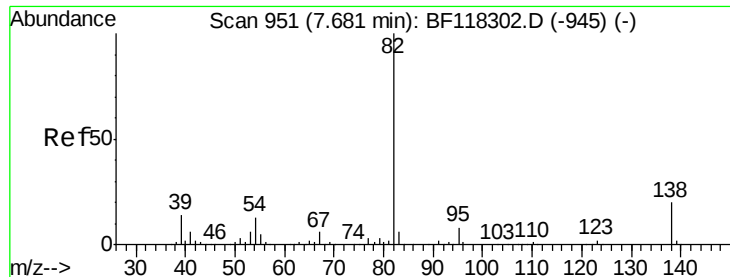
Tot Ion:	136	Resp:	581505
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	5.3	4.2	6.4
68	4.5	3.5	5.3



#23
Nitrobenzene-d5
Concen: 83.280 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.00 min
Lab File: BF118383.D
Acq: 30 Dec 2019 16:06

Tgt Ion:	82	Resp:	846715
Ion	Ratio	Lower	Upper
82	100		
128	50.8	39.6	59.4
54	43.4	34.9	52.3





#25

Isophorone

Concen: 47.785 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF118383.D

Acq: 30 Dec 2019 16:06

Instrument :

BNA_F

ClientSampleId :

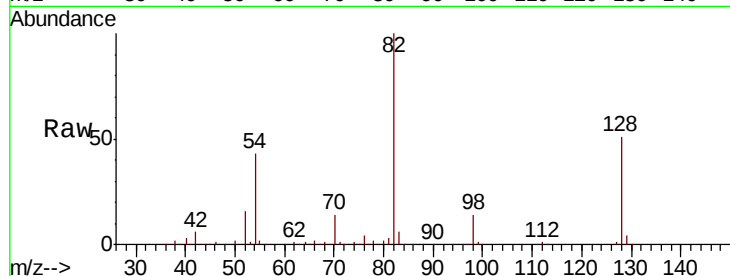
Tot Ion: 82 Resp: 846705

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

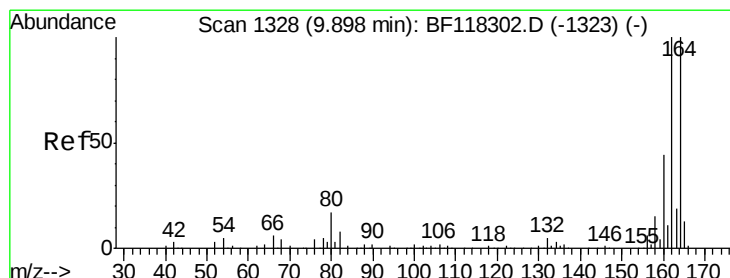
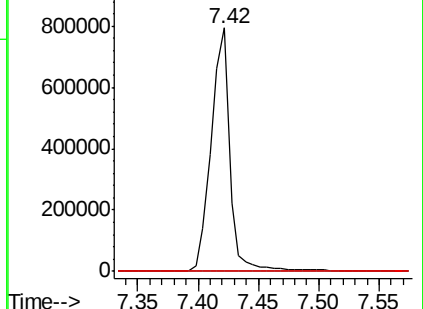
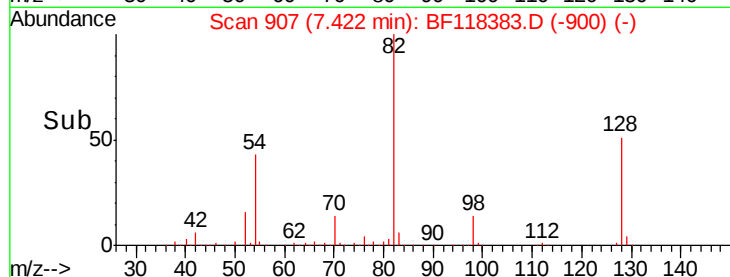
138 0.0 16.2 24.2#



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: 9.90 min Scan# 1329

Delta R.T. 0.01 min

Lab File: BF118383.D

Acq: 30 Dec 2019 16:06

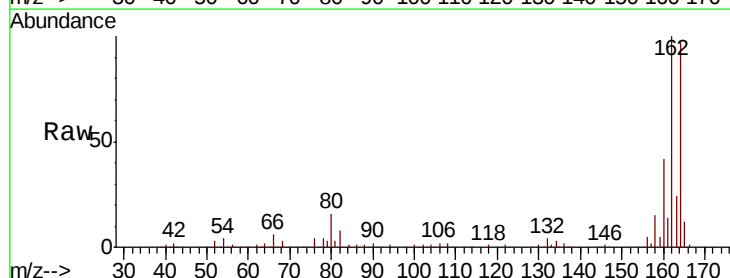
Tgt Ion: 164 Resp: 312615

Ion Ratio Lower Upper

164 100

162 103.0 80.0 120.0

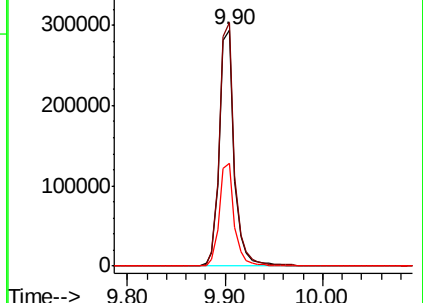
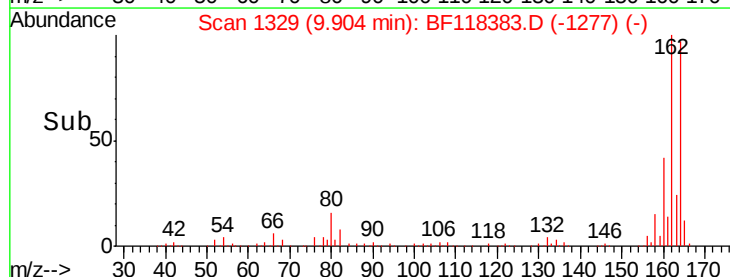
160 43.7 34.8 52.2

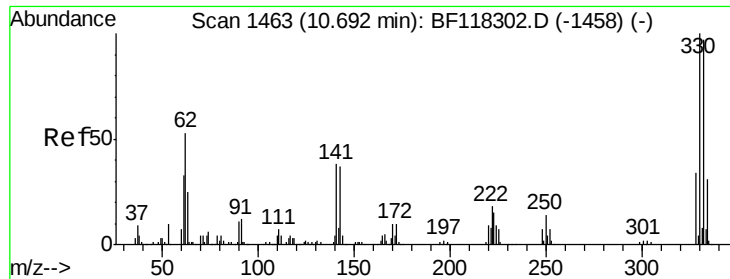


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

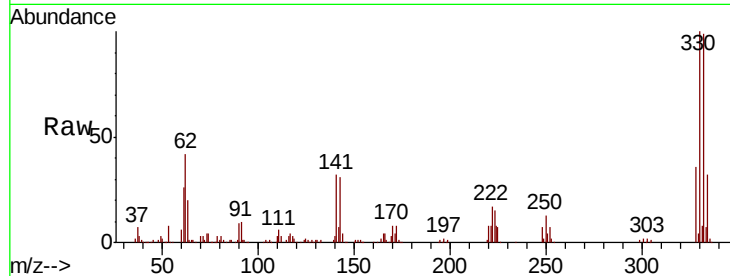




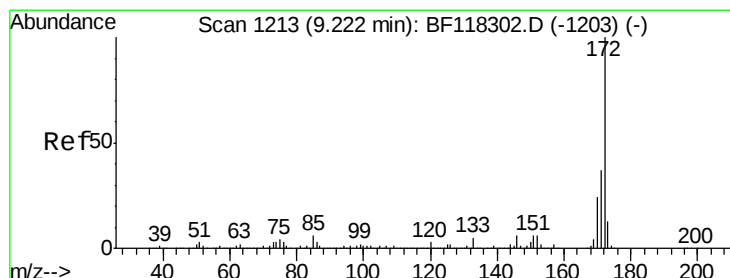
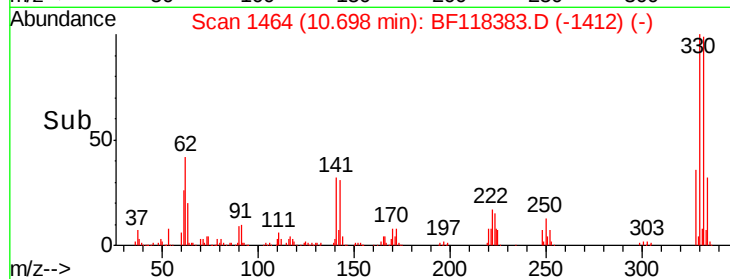
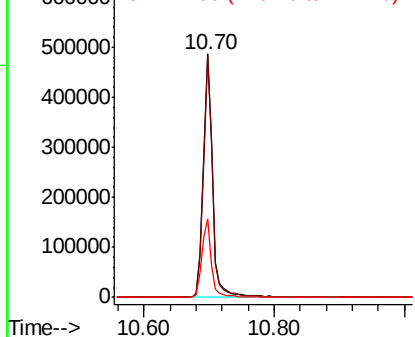
#42
 2,4,6-Tribromophenol
 Concen: 125.902 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118383.D
 Acq: 30 Dec 2019 16:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 486054
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 114.8
 141 32.5 26.0 39.0

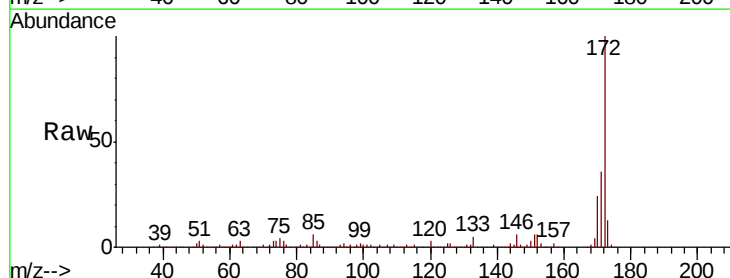


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

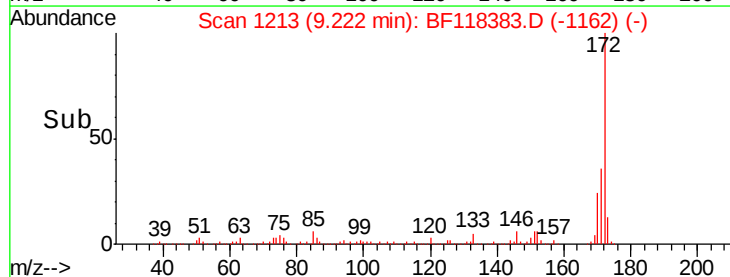
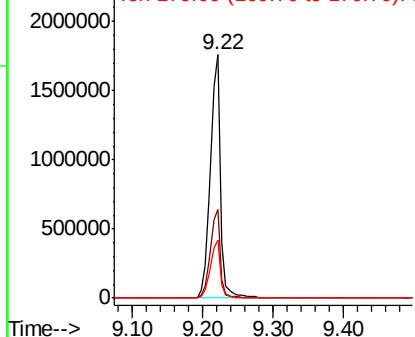


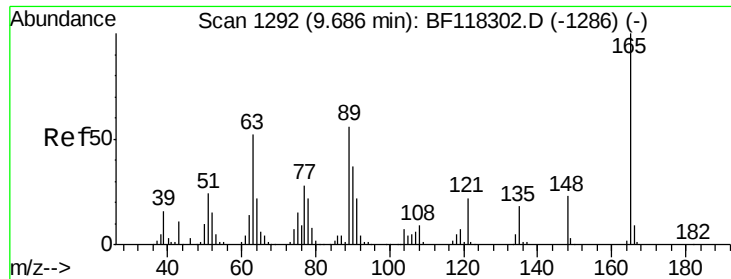
#45
 2-Fluorobiphenyl
 Concen: 86.460 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: BF118383.D
 Acq: 30 Dec 2019 16:06

Tgt Ion:172 Resp: 1770656
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.3 43.9
 170 24.0 19.2 28.8



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: 7.888 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.22 min

Lab File: BF118383.D

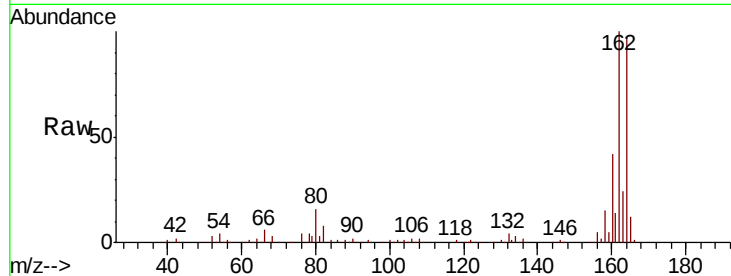
Acq: 30 Dec 2019 16:06

Instrument :

BNA_F

ClientSampleId :

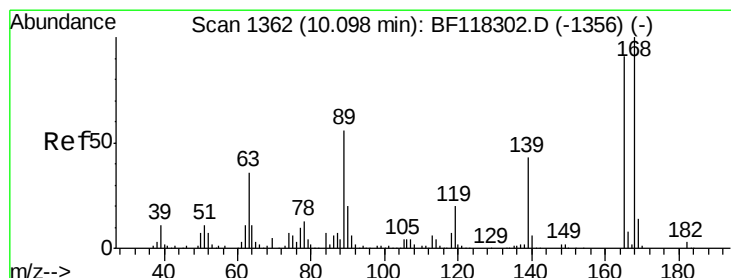
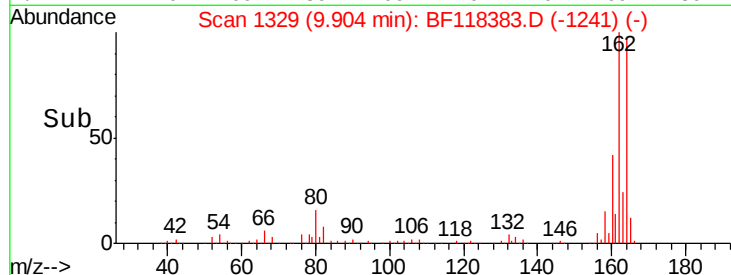
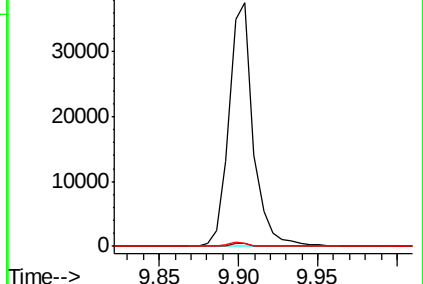
Tot Ion:165	Resp:	39907
Ion Ratio	Lower	Upper
165	100	
63	1.2	42.2 63.4#
89	1.3	44.4 66.6#



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: 5.903 ng

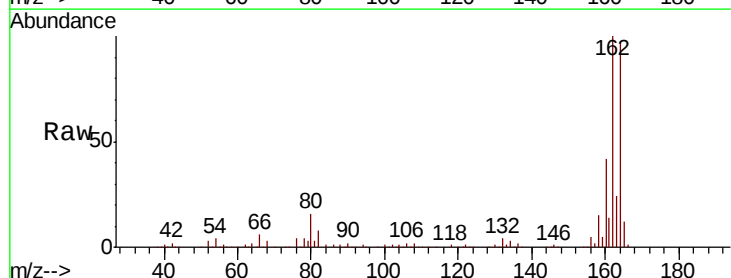
RT: 9.90 min Scan# 1329

Delta R.T. -0.19 min

Lab File: BF118383.D

Acq: 30 Dec 2019 16:06

Tgt Ion:165	Resp:	39907
Ion Ratio	Lower	Upper
165	100	
63	1.2	32.0 48.0#
89	1.3	49.3 73.9#
182	0.0	2.4 3.6#

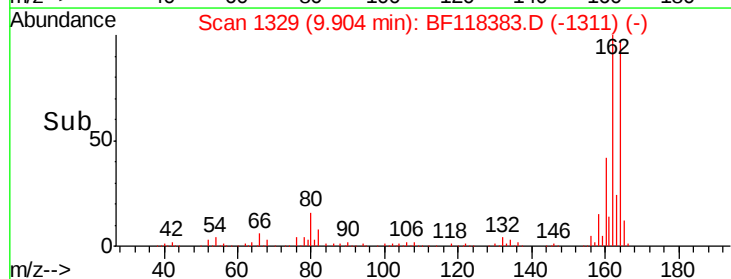
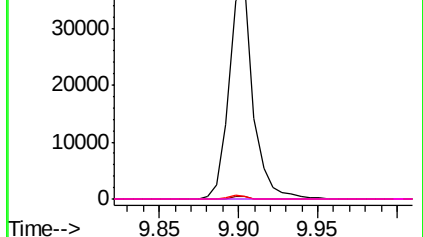


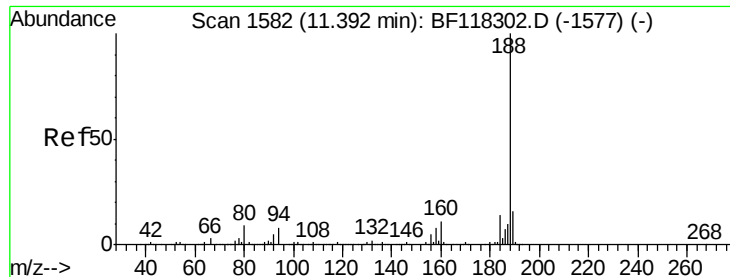
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.40 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF118383.D

Acq: 30 Dec 2019 16:06

Instrument :

BNA_F

ClientSampleId :

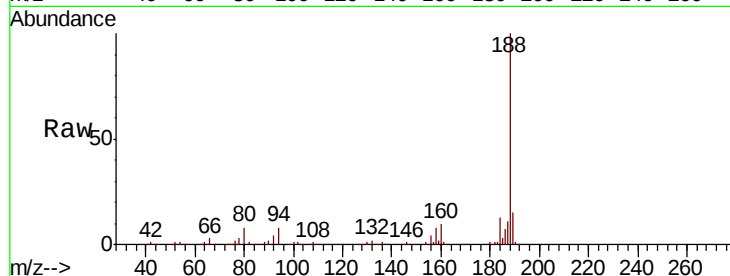
Tot Ion:188 Resp: 594904

Ion Ratio Lower Upper

188 100

94 7.6 6.7 10.1

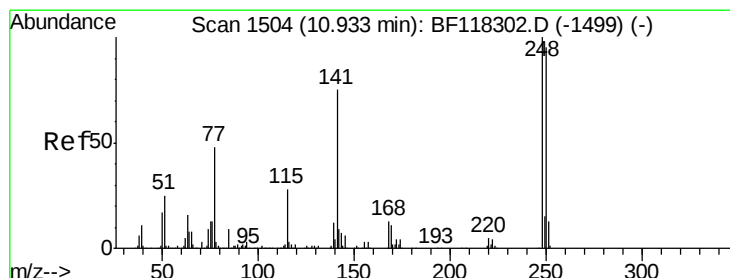
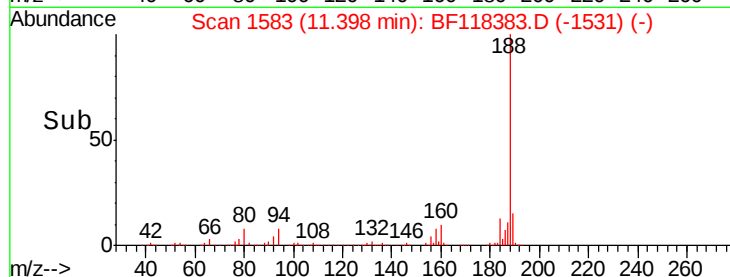
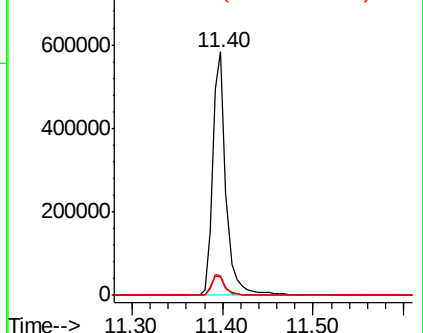
80 8.3 7.2 10.8



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



#67

4-Bromophenyl-phenylether

Concen: 4.216 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.24 min

Lab File: BF118383.D

Acq: 30 Dec 2019 16:06

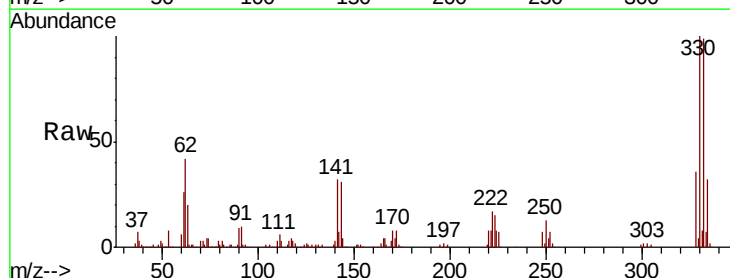
Tgt Ion:248 Resp: 29349

Ion Ratio Lower Upper

248 100

250 199.5 76.4 114.6#

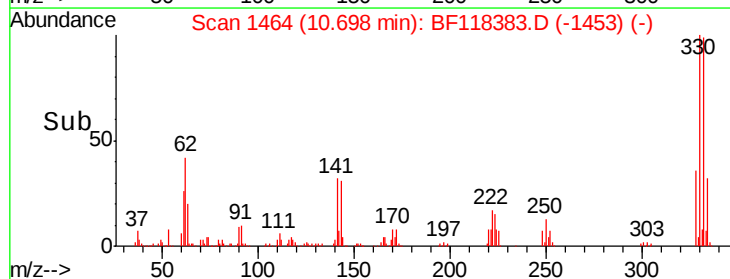
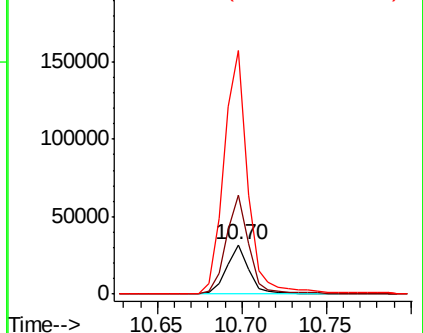
141 492.5 60.2 90.2#

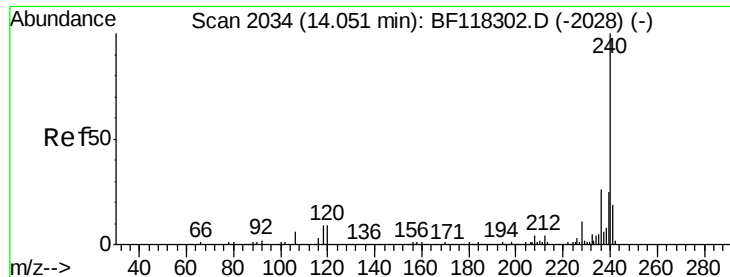


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

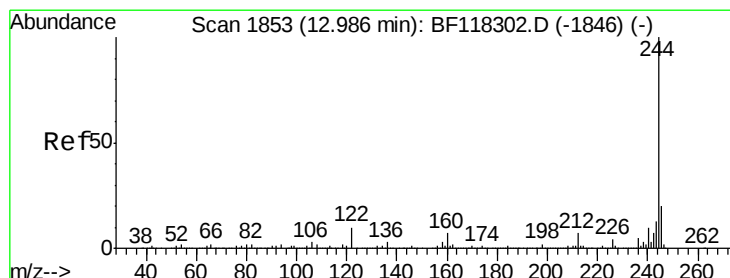
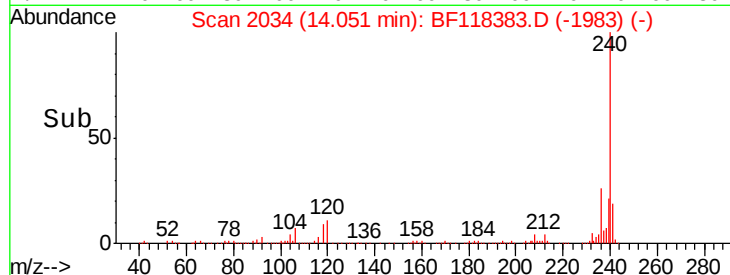
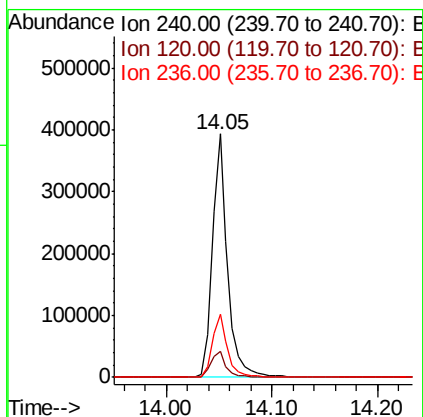
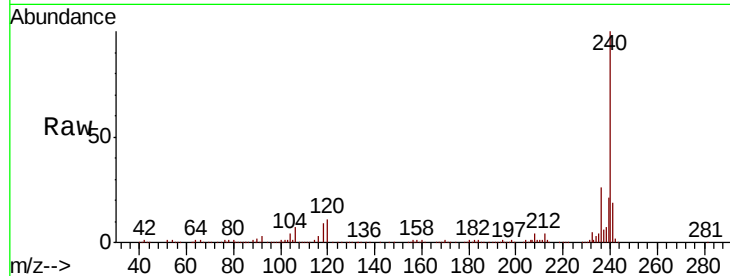




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: BF118383.D
 Acq: 30 Dec 2019 16:06

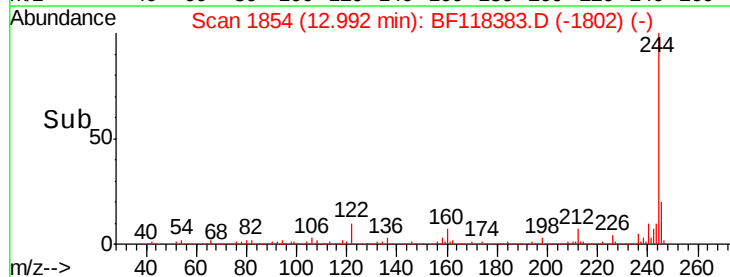
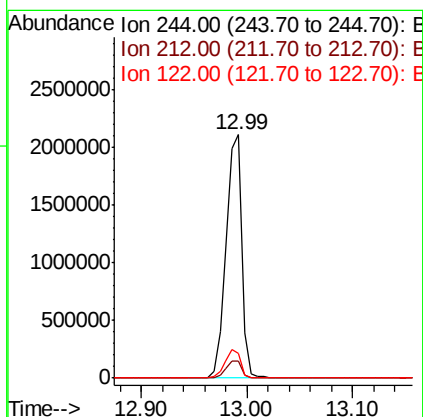
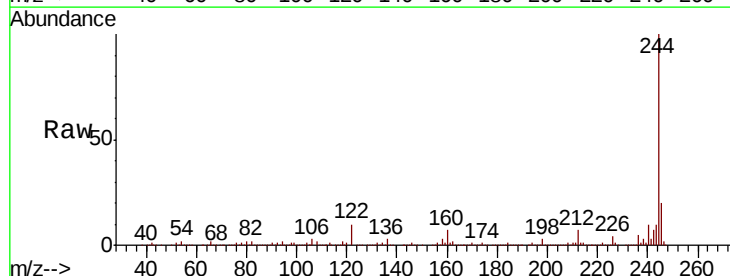
Instrument :
 BNA_F
 ClientSampleId :

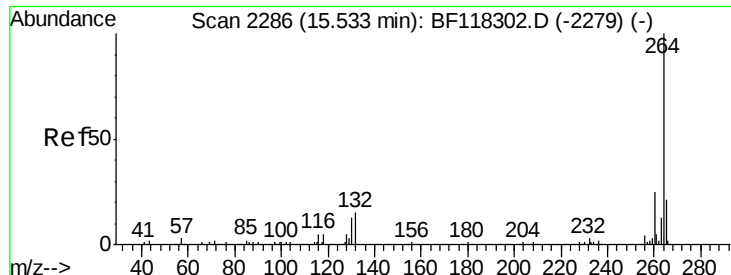
Tot Ion:240 Resp: 396234
 Ion Ratio Lower Upper
 240 100
 120 10.7 7.1 10.7#
 236 26.0 21.0 31.6



#79
 Terphenyl-d14
 Concen: 90.829 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: BF118383.D
 Acq: 30 Dec 2019 16:06

Tgt Ion:244 Resp: 2169316
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 10.1 7.8 11.8

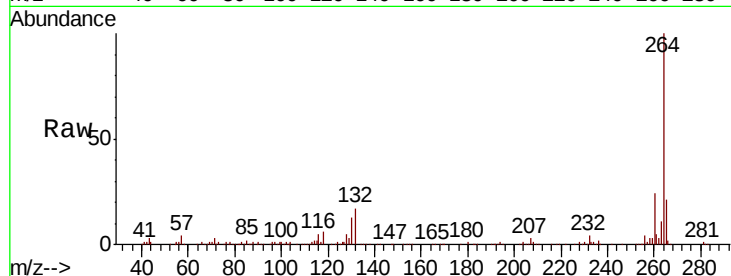




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. 0.01 min
 Lab File: BF118383.D
 Acq: 30 Dec 2019 16:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.8	29.6
265	21.2	17.0	25.4



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

