

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
 Data File : BF118201.D
 Acq On : 16 Dec 2019 17:25
 Operator : JU
 Sample : K6110-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 17 01:06:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

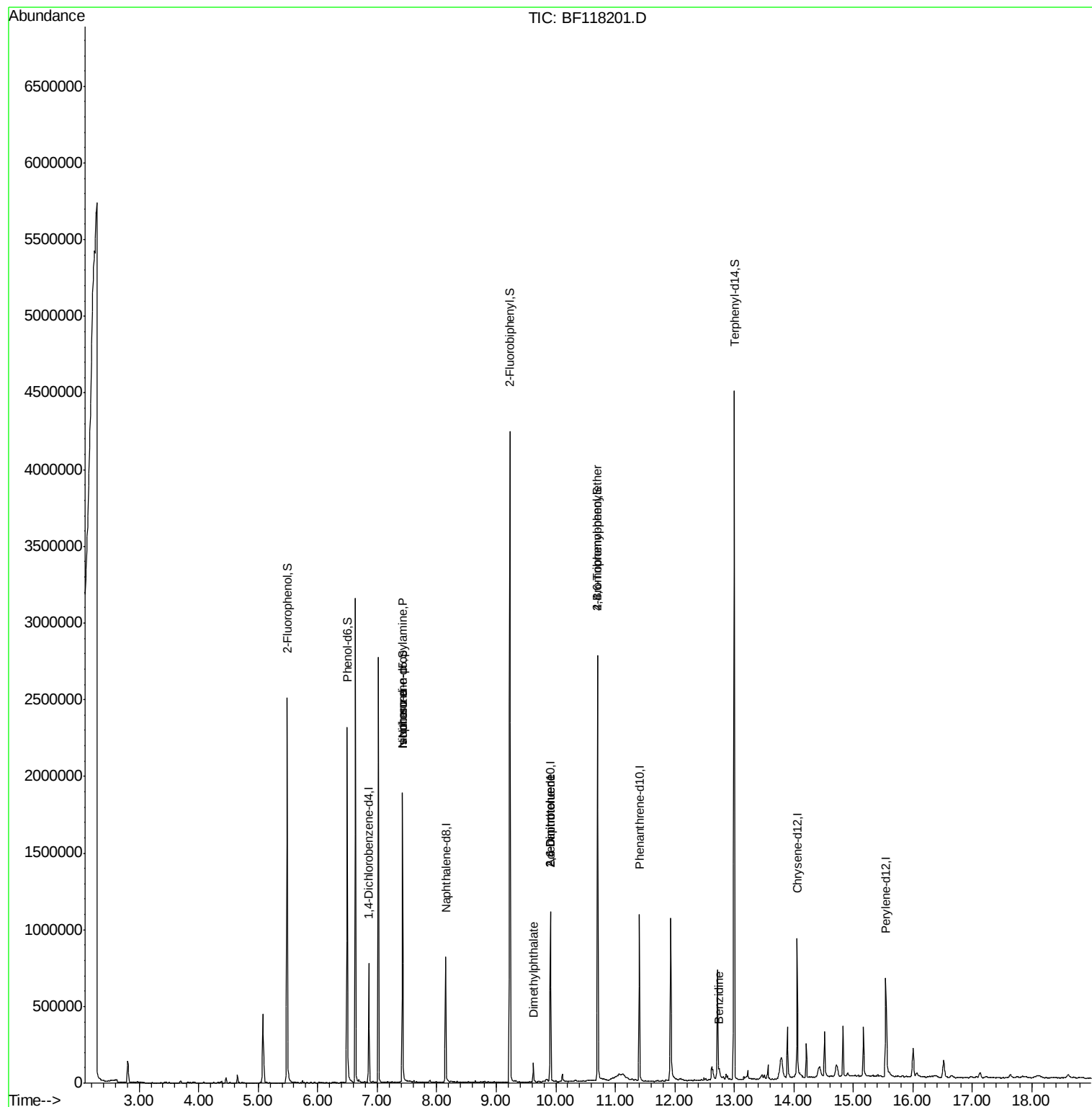
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	104077	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	397005	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	210555	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	375607	20.00	ng	0.00
76) Chrysene-d12	14.06	240	273480	20.00	ng	-0.01
87) Perylene-d12	15.54	264	262929	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	717646	120.77	ng	0.00
7) Phenol-d6	6.50	99	816470	113.60	ng	0.00
23) Nitrobenzene-d5	7.43	82	585988	83.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	341671	133.58	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1238867	89.53	ng	-0.01
79) Terphenyl-d14	13.00	244	1469921	92.43	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	1273	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.43	70	79825	18.277 ng	#	78
25) Isophorone	7.43	82	574747	48.044 ng	#	62
50) Dimethylphthalate	9.62	163	45729	2.940 ng	#	95
51) 2,6-Dinitrotoluene	9.91	165	26984	7.979 ng	#	28
57) 2,4-Dinitrotoluene	9.91	165	26984	5.978 ng	#	25
67) 4-Bromophenyl-phenylether	10.70	248	21956	5.121 ng	#	1
77) Benzidine	12.75	184	18699	2.597 ng	#	89

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

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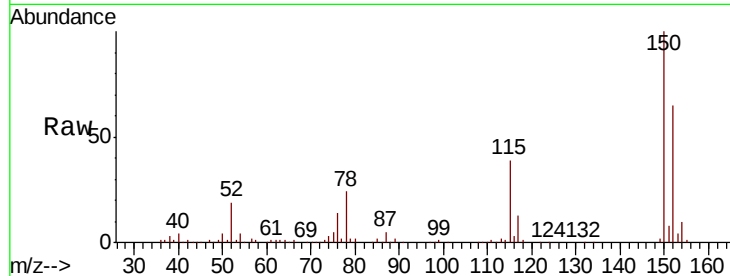


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118201.D
Acq: 16 Dec 2019 17:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	128.3	192.5
115	60.9	51.1	76.7

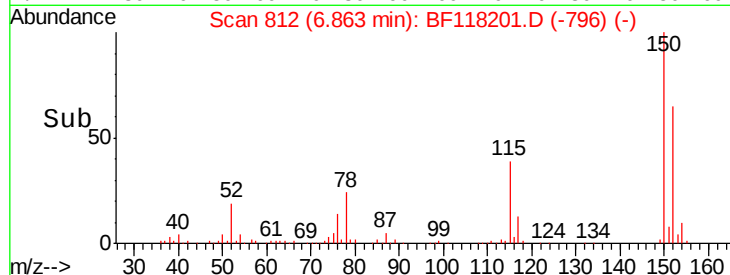
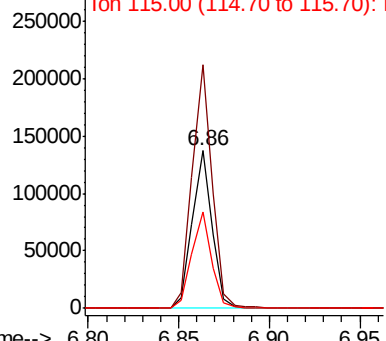


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

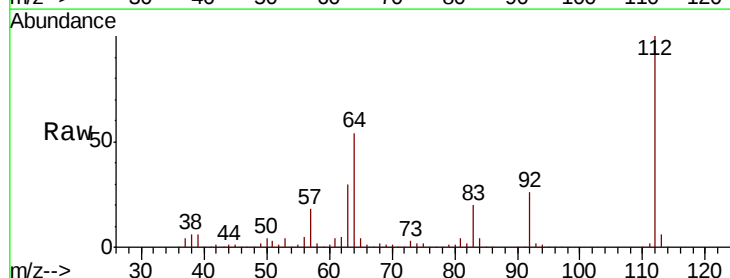
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 120.769 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118201.D
Acq: 16 Dec 2019 17:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	41.3	61.9
63	29.5	22.4	33.6

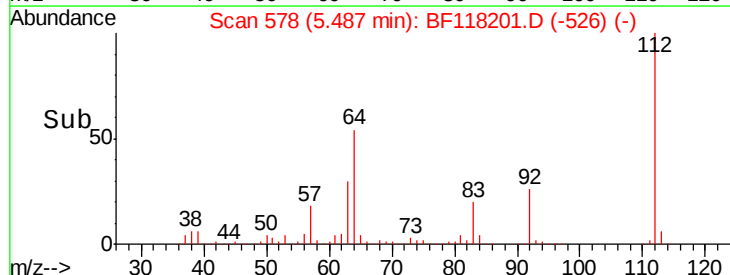
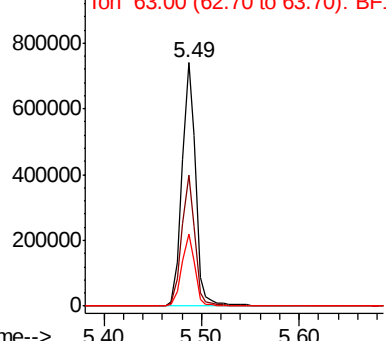


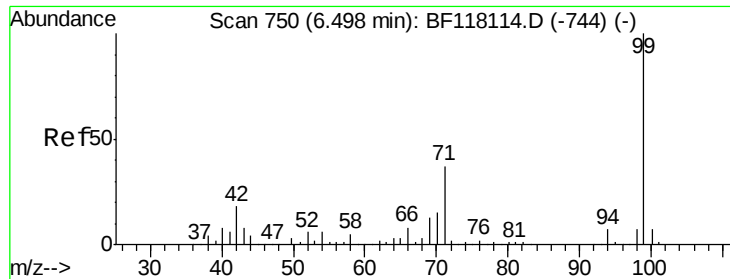
Abundance

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: 113.598 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118201.D

Acq: 16 Dec 2019 17:25

Instrument :

BNA_F

ClientSampleId :

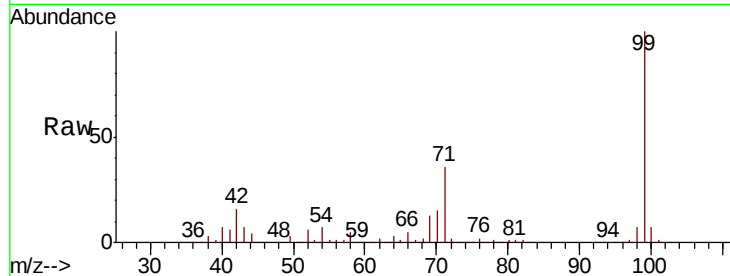
Tot Ion: 99 Resp: 816470

Ion Ratio Lower Upper

99 100

42 16.3 14.1 21.1

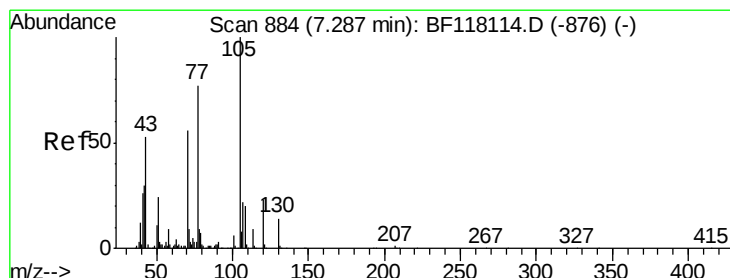
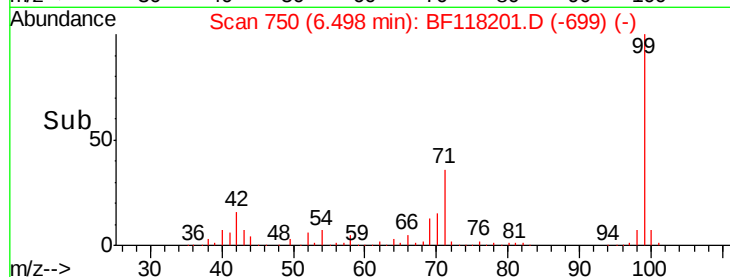
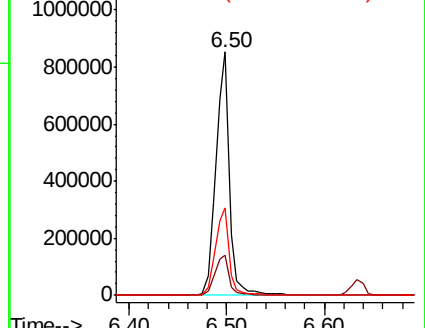
71 36.1 29.7 44.5



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: 18.277 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF118201.D

Acq: 16 Dec 2019 17:25

Tgt Ion: 70 Resp: 79825

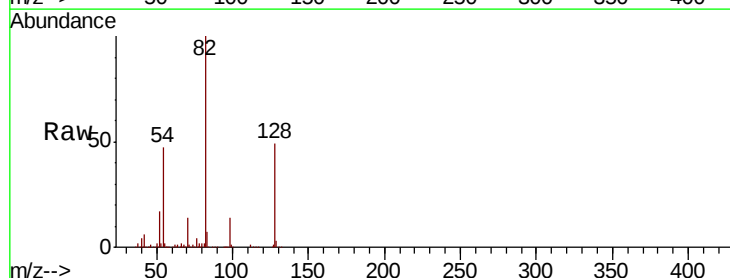
Ion Ratio Lower Upper

70 100

42 46.3 43.2 64.8

101 0.0 8.1 12.1#

130 2.6 19.8 29.8#

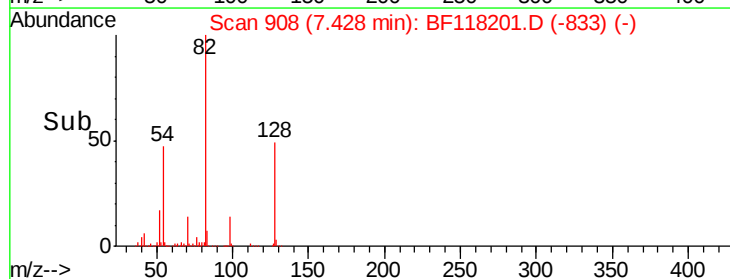
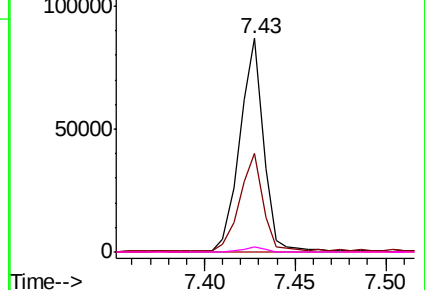


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

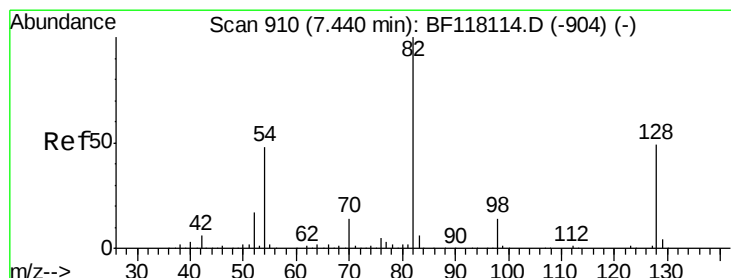
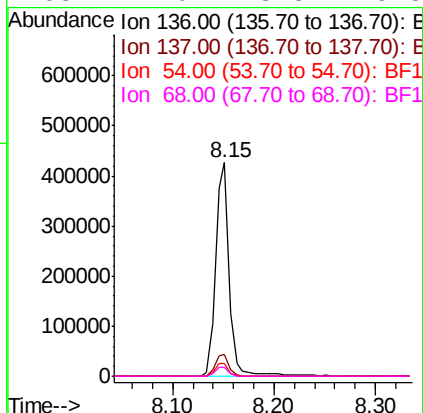
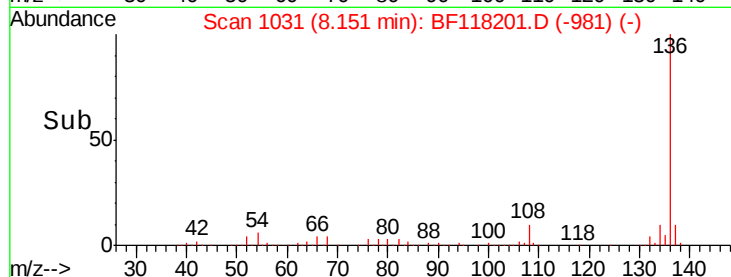
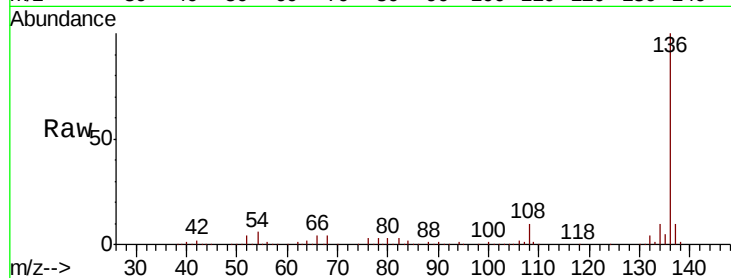




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118201.D
Acq: 16 Dec 2019 17:25

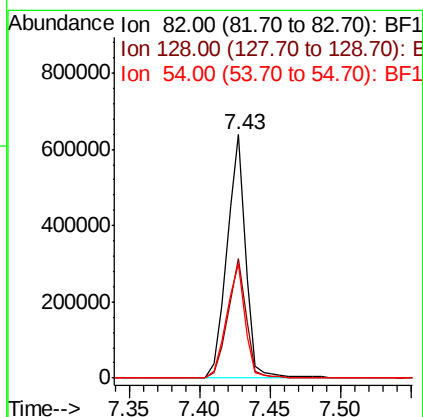
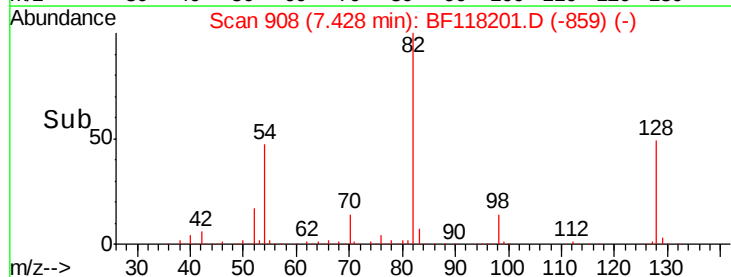
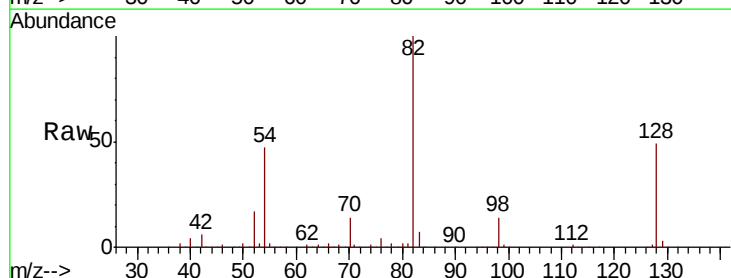
Instrument :
BNA_F
ClientSampleId :

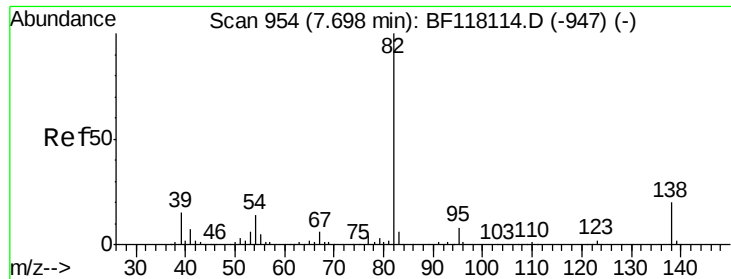
Tot Ion:136	Resp:	397005
Ion Ratio	Lower	Upper
136	100	
137	10.4	9.0 13.6
54	5.7	5.0 7.6
68	4.0	3.8 5.8



#23
Nitrobenzene-d5
Concen: 83.038 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118201.D
Acq: 16 Dec 2019 17:25

Tgt Ion: 82	Resp:	585988
Ion Ratio	Lower	Upper
82	100	
128	49.1	39.1 58.7
54	46.9	38.2 57.2





#25

Isophorone

Concen: 48.044 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.27 min

Lab File: BF118201.D

Acq: 16 Dec 2019 17:25

Instrument :

BNA_F

ClientSampleId :

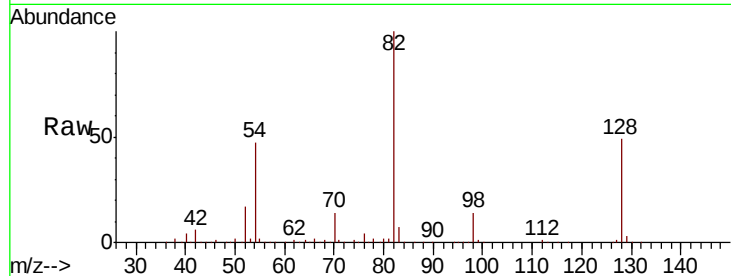
Tot Ion: 82 Resp: 574747

Ion Ratio Lower Upper

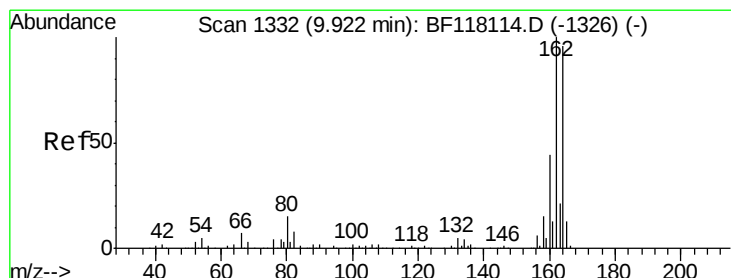
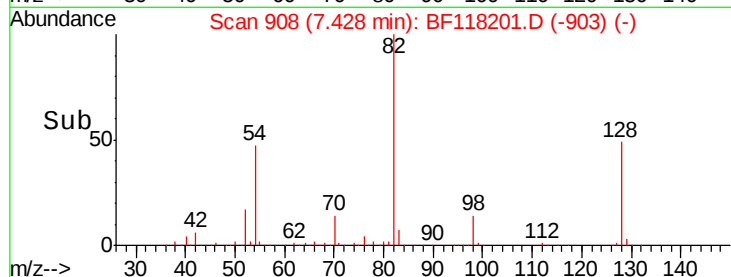
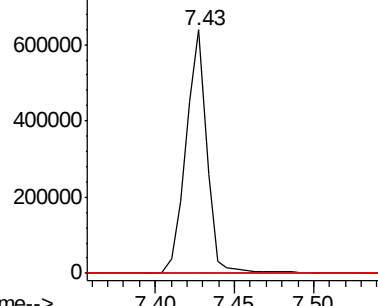
82 100

95 0.1 6.3 9.5#

138 0.0 16.3 24.5#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118201.D

Acq: 16 Dec 2019 17:25

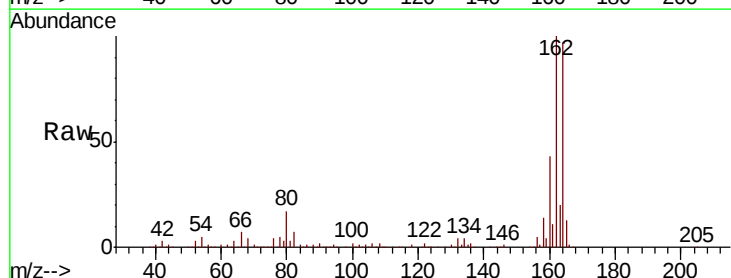
Tgt Ion:164 Resp: 210555

Ion Ratio Lower Upper

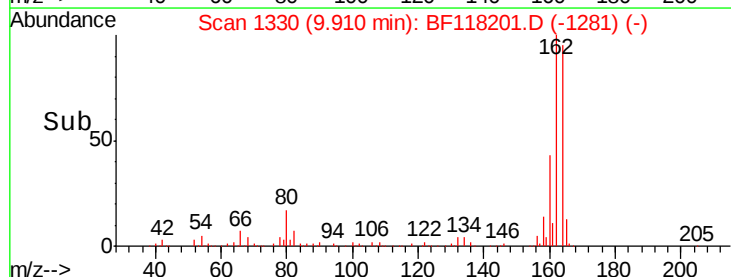
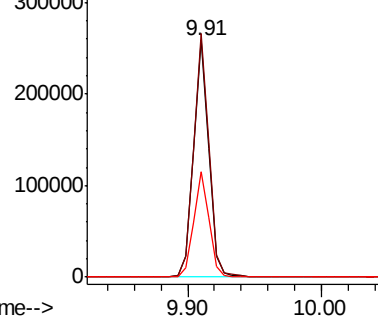
164 100

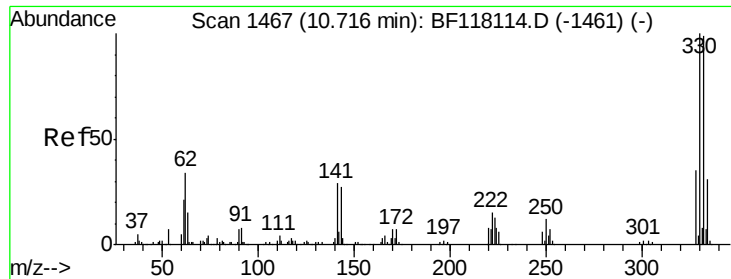
162 102.9 83.4 125.0

160 44.7 36.6 54.8



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

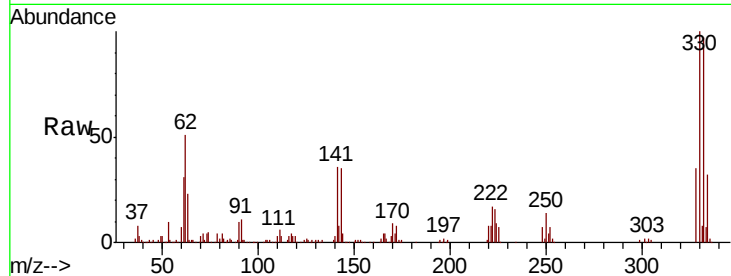




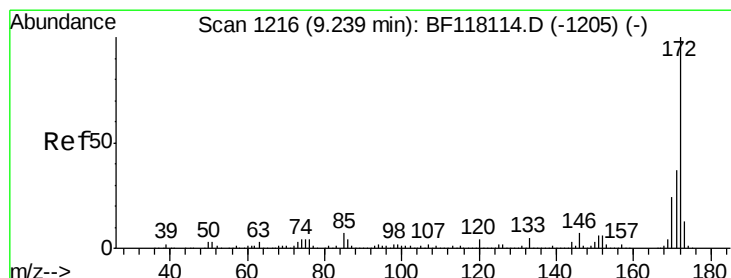
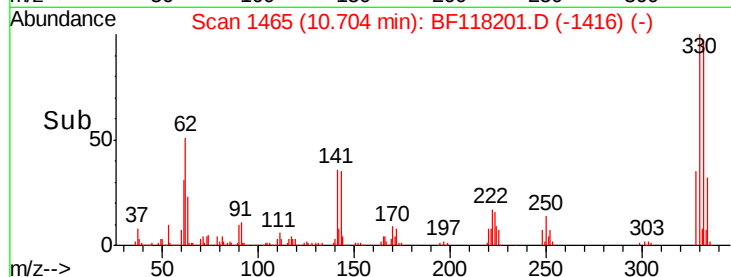
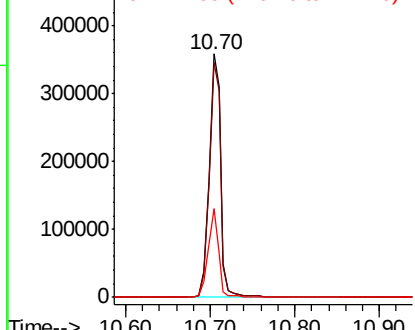
#42
 2,4,6-Tribromophenol
 Concen: 133.577 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118201.D
 Acq: 16 Dec 2019 17:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 341671
 Ion Ratio Lower Upper
 330 100
 332 96.8 78.1 117.1
 141 33.0 26.9 40.3

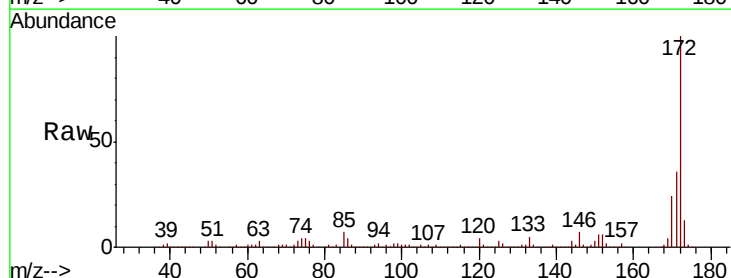


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

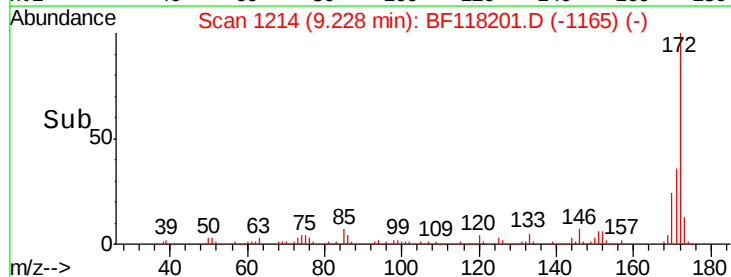
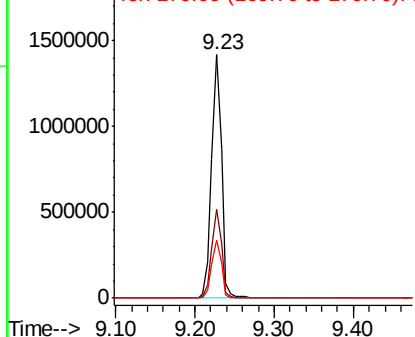


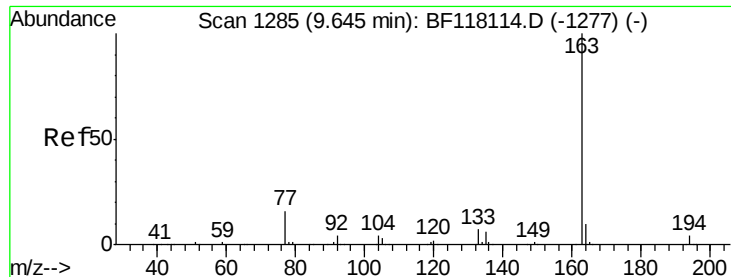
#45
 2-Fluorobiphenyl
 Concen: 89.531 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF118201.D
 Acq: 16 Dec 2019 17:25

Tgt Ion:172 Resp: 1238867
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.2 43.8
 170 24.0 19.4 29.2



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

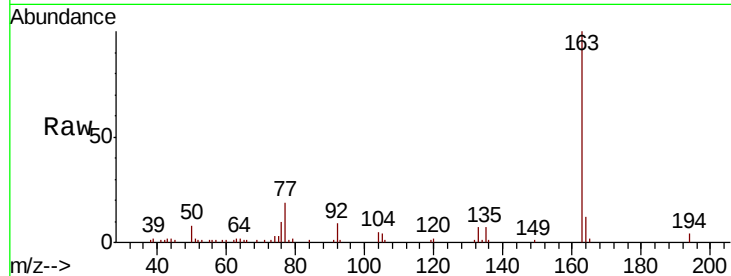




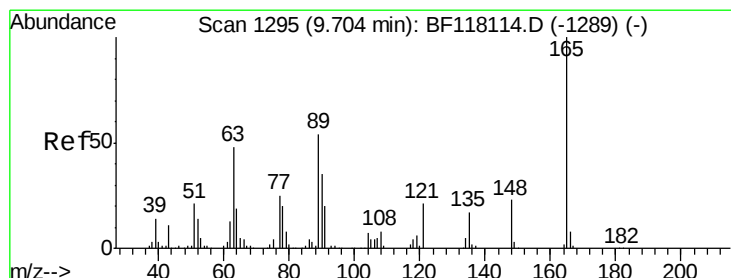
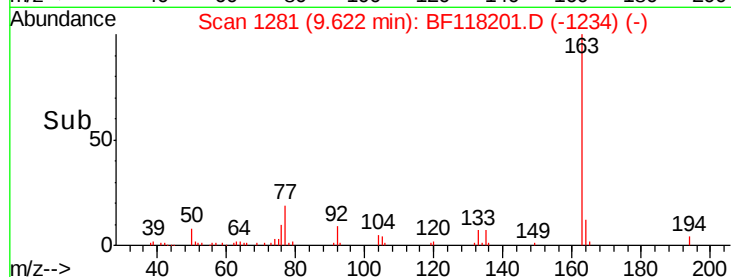
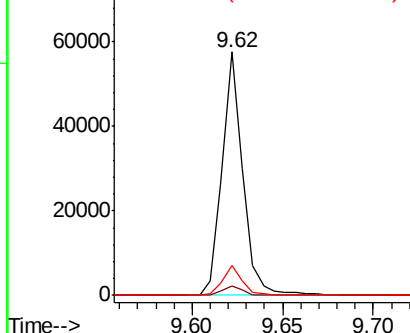
#50
Dimethylphthalate
Concen: 2.940 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118201.D
Acq: 16 Dec 2019 17:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	12.1	7.7	11.5#

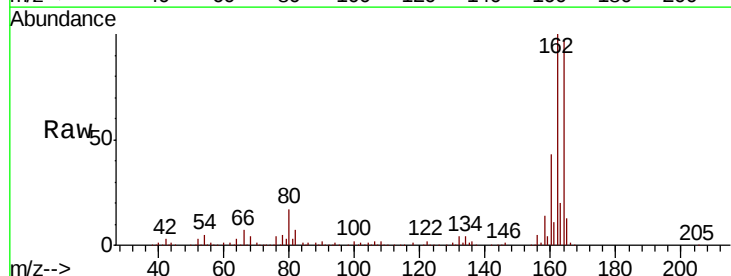


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

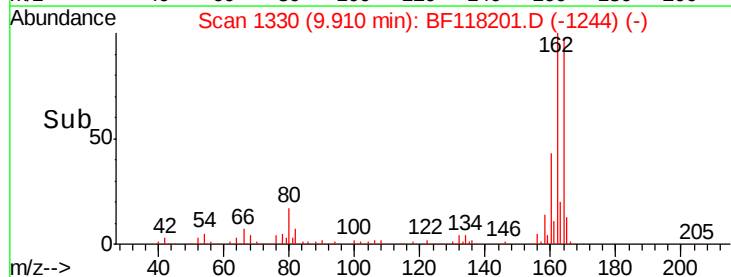
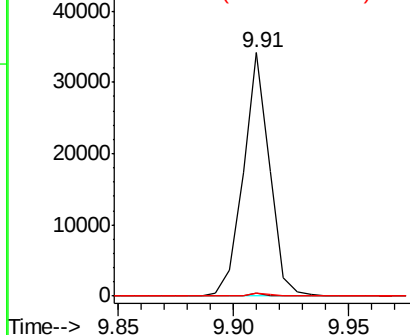


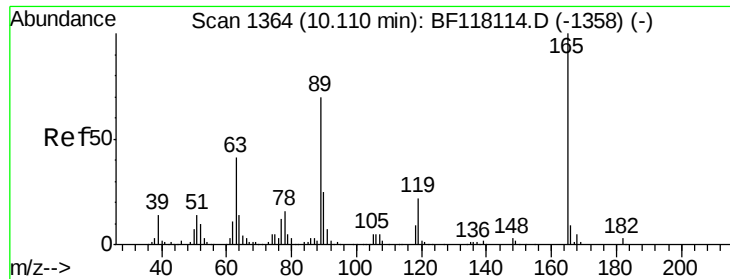
#51
2,6-Dinitrotoluene
Concen: 7.979 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF118201.D
Acq: 16 Dec 2019 17:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	41.4	62.0#
89	1.3	42.9	64.3#



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

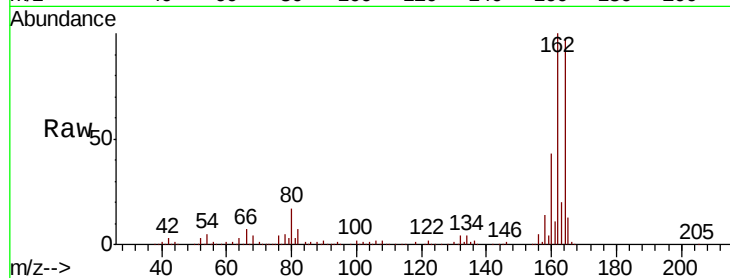




#57
 2,4-Dinitrotoluene
 Concen: 5.978 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF118201.D
 Acq: 16 Dec 2019 17:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	32.6	49.0#
89	1.3	56.1	84.1#
182	0.0	2.1	3.1#



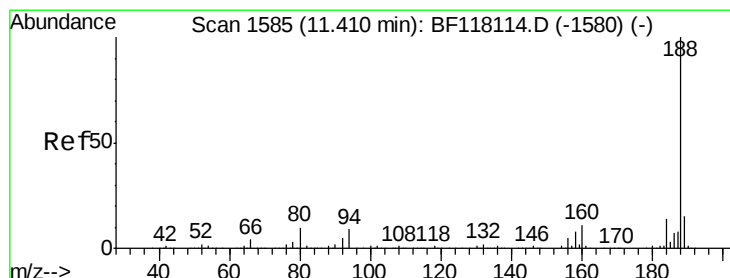
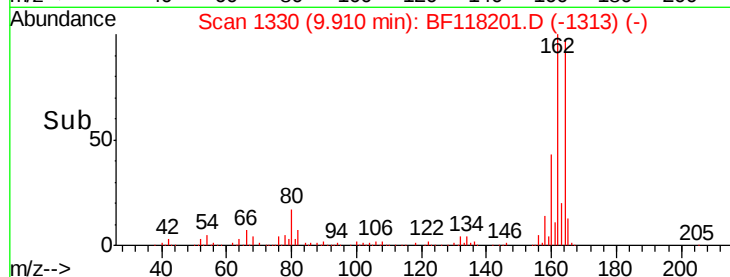
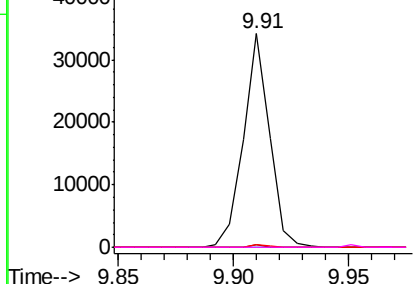
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

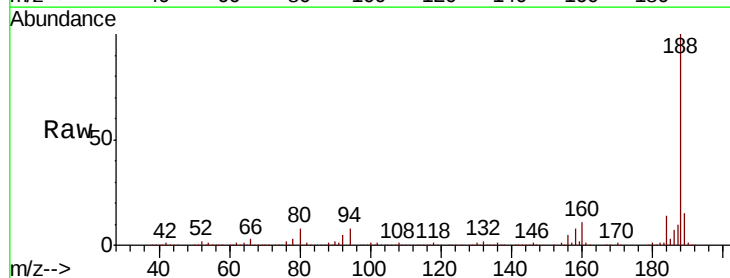
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118201.D
 Acq: 16 Dec 2019 17:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	7.1	10.7
80	8.2	7.9	11.9

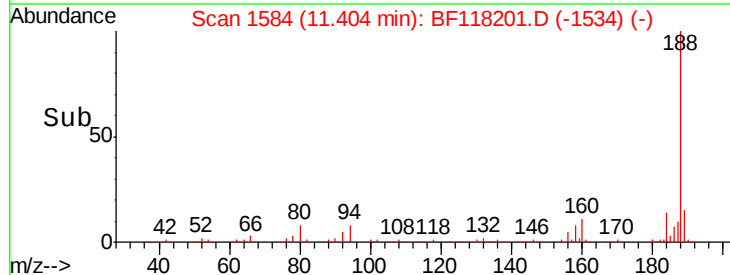
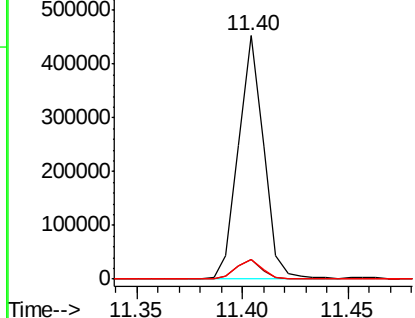


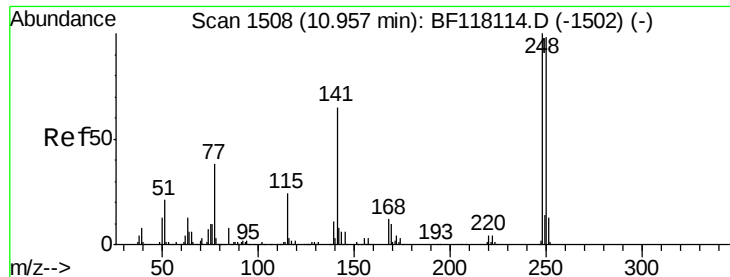
Abundance

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

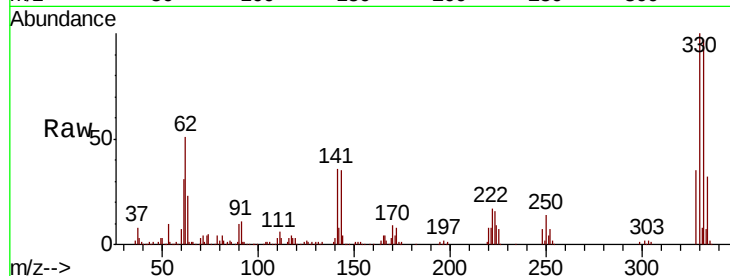




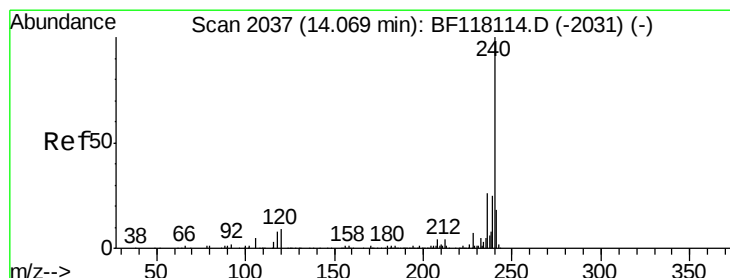
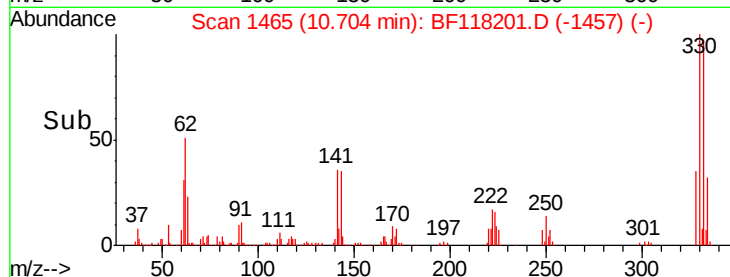
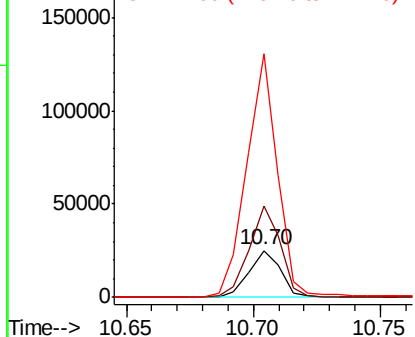
#67
4-Bromophenyl-phenylether
Concen: 5.121 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF118201.D
Acq: 16 Dec 2019 17:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 21956
Ion Ratio Lower Upper
248 100
250 194.5 78.3 117.5#
141 519.1 52.2 78.4#

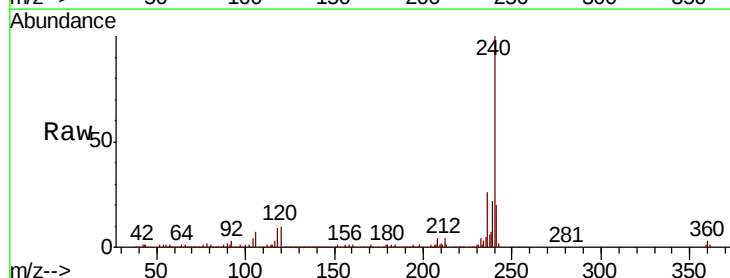


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

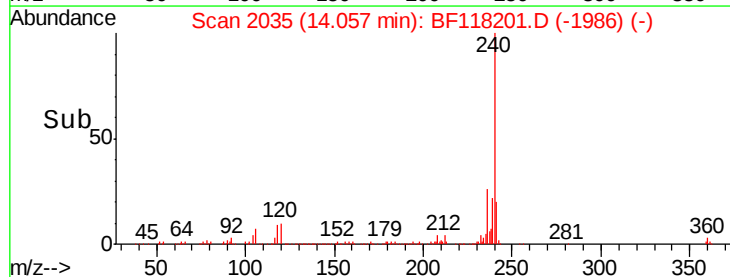
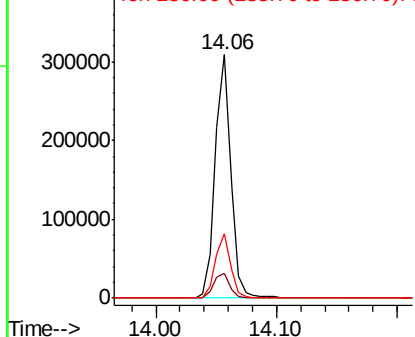


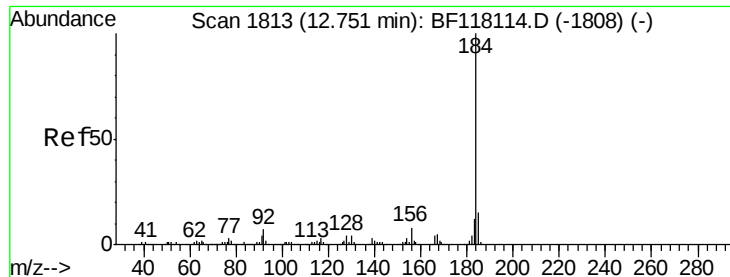
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118201.D
Acq: 16 Dec 2019 17:25

Tgt Ion:240 Resp: 273480
Ion Ratio Lower Upper
240 100
120 10.2 7.1 10.7
236 26.2 21.0 31.6



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: 2.597 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.00 min

Lab File: BF118201.D

Acq: 16 Dec 2019 17:25

Instrument :

BNA_F

ClientSampleId :

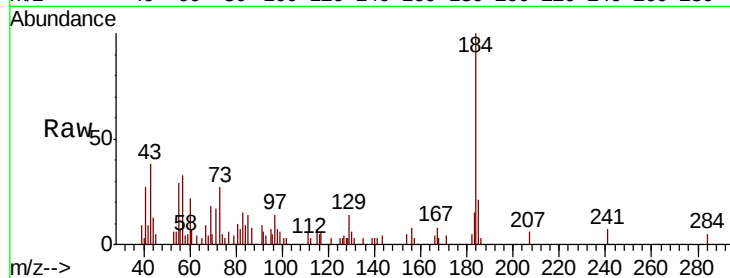
Tot Ion:184 Resp: 18699

Ion Ratio Lower Upper

184 100

185 20.7 12.3 18.5#

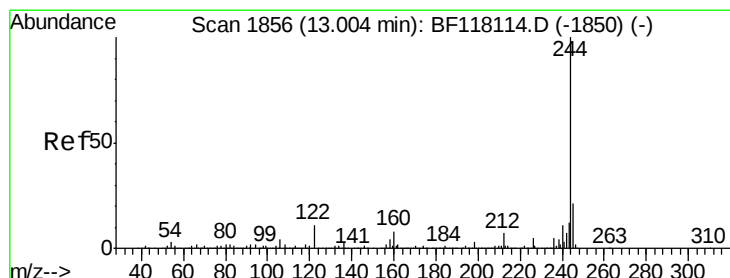
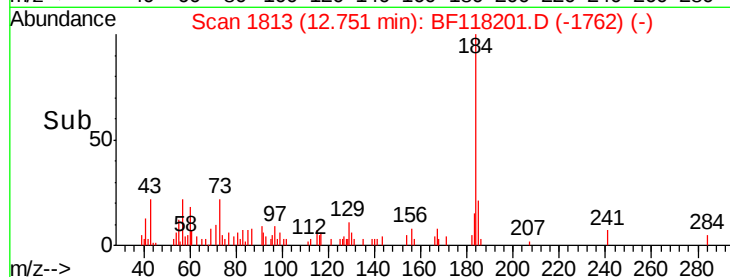
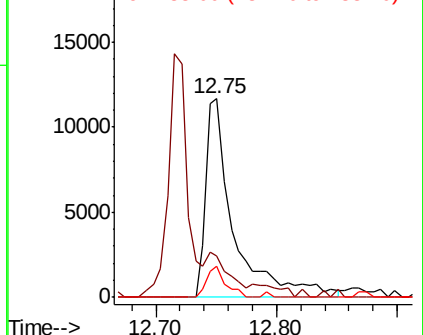
183 15.5 9.9 14.9#



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: 92.428 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118201.D

Acq: 16 Dec 2019 17:25

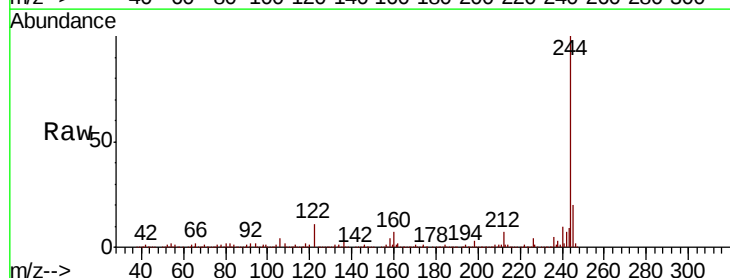
Tgt Ion:244 Resp: 1469921

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

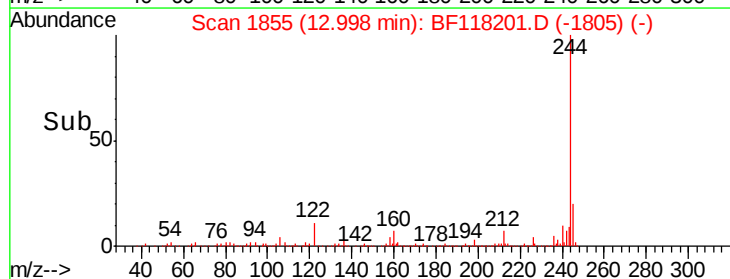
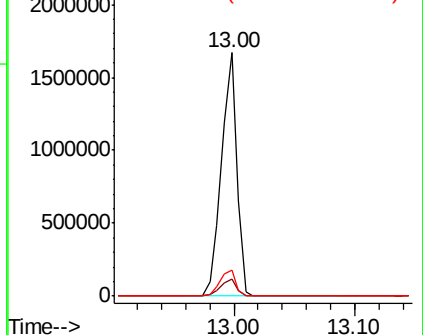
122 10.8 9.0 13.6

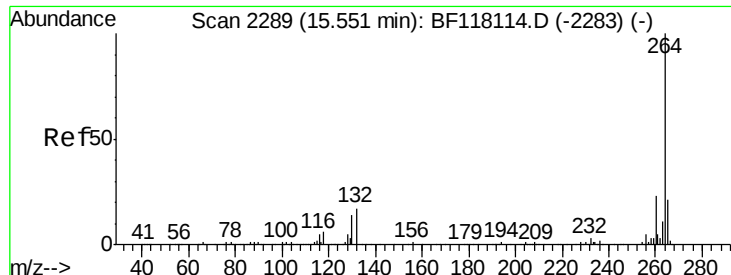


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.54 min Scan# 2288
 Delta R.T. -0.01 min
 Lab File: BF118201.D
 Acq: 16 Dec 2019 17:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.8	16.8	25.2

