

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
 Data File : BF118190.D
 Acq On : 13 Dec 2019 17:07
 Operator : JU
 Sample : K6235-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-03

Quant Time: Dec 13 22:46:39 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

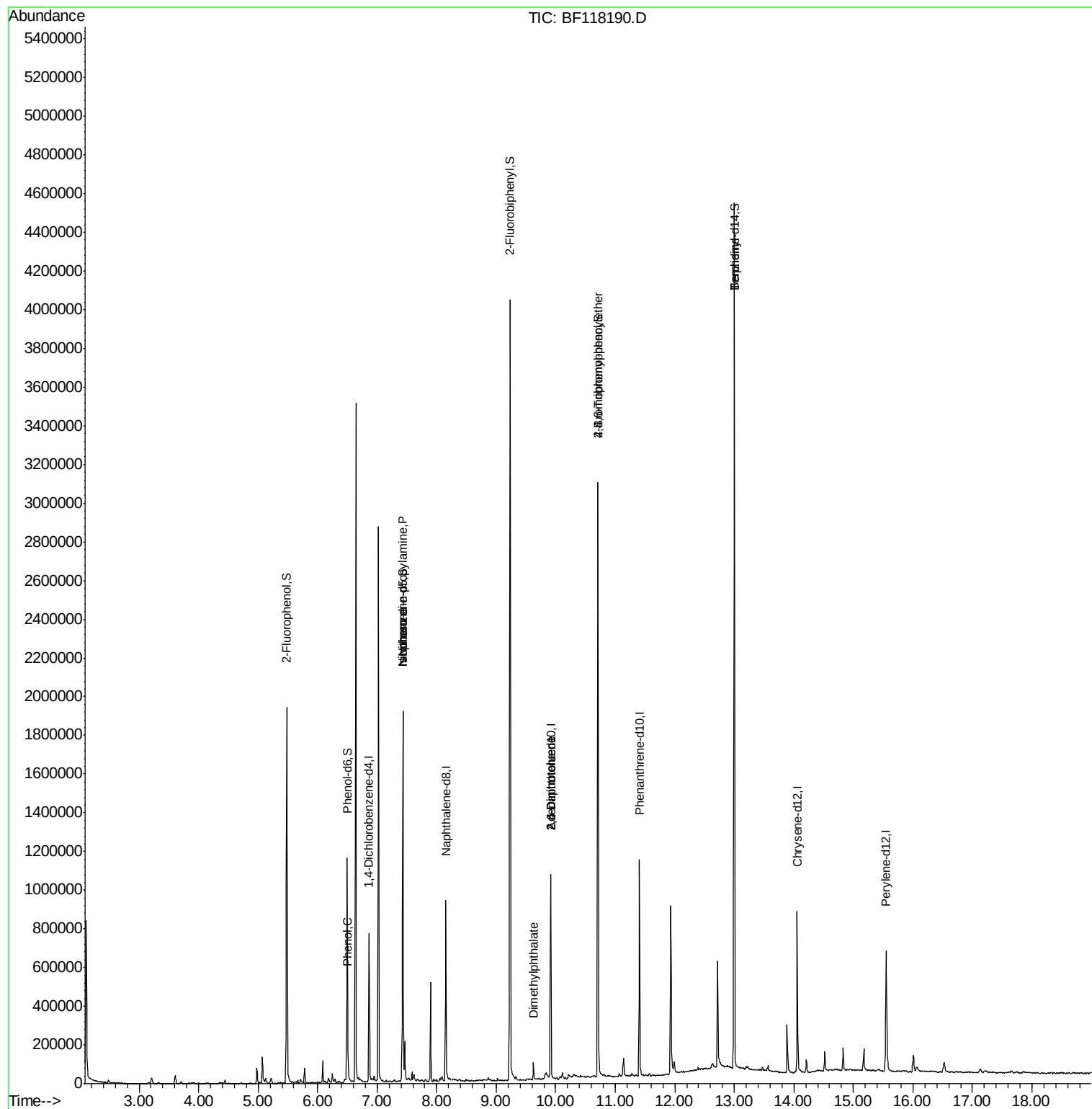
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	114709	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	437317	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	227297	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	421124	20.00	ng	0.00
76) Chrysene-d12	14.06	240	272834	20.00	ng	-0.01
87) Perylene-d12	15.55	264	278710	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	536393	81.90	ng	0.00
7) Phenol-d6	6.50	99	430607	54.36	ng	0.00
23) Nitrobenzene-d5	7.43	82	650214	83.65	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	384537	139.26	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1295309	86.71	ng	0.00
79) Terphenyl-d14	13.00	244	1595984	100.59	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	976	Below Cal		Qvalue
10) Phenol	6.51	94	23743	2.628 ng	#	1
19) n-Nitroso-di-n-propylamine	7.43	70	86249	17.918 ng	#	76
25) Isophorone	7.43	82	645367	48.974 ng	#	62
50) Dimethylphthalate	9.62	163	35410	2.109 ng		100
51) 2,6-Dinitrotoluene	9.92	165	30158	8.261 ng	#	28
57) 2,4-Dinitrotoluene	9.92	165	30158	6.189 ng	#	26
67) 4-Bromophenyl-phenylether	10.71	248	24838	5.167 ng	#	1
77) Benzidine	13.00	184	22229	3.095 ng	#	92

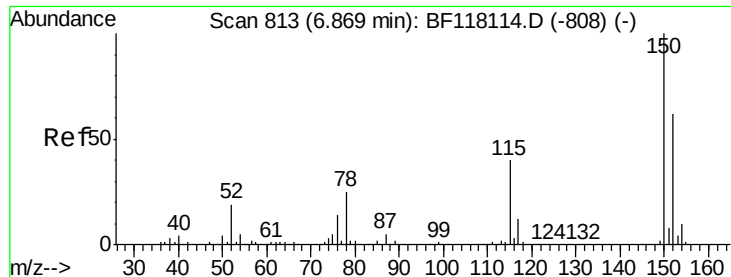
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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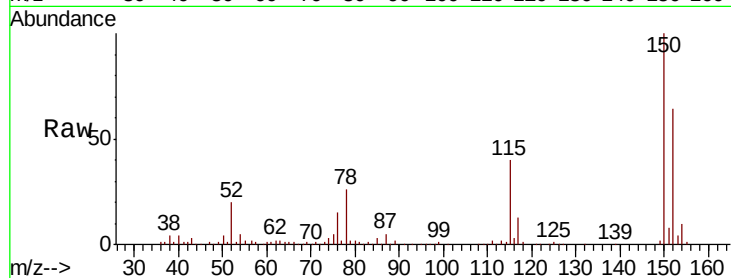


#1

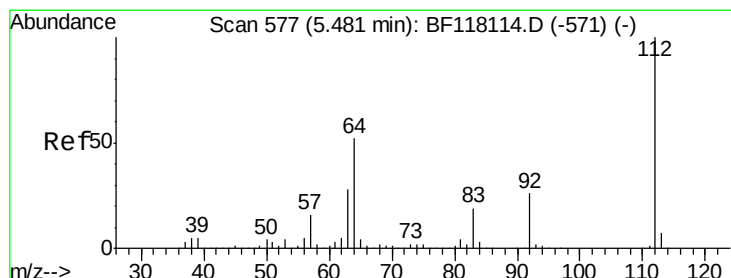
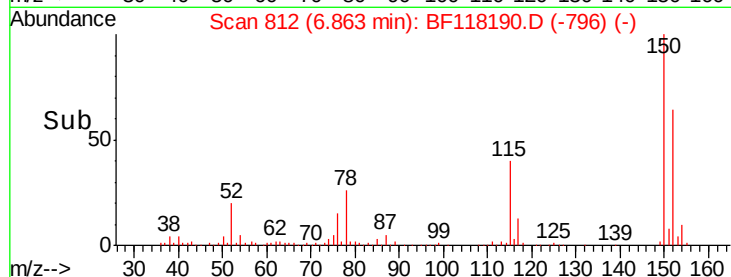
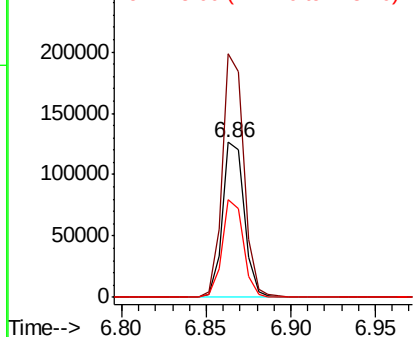
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118190.D
Acq: 13 Dec 2019 17:07

Instrument :
BNA_F
ClientSampleId :
MW-03

Tot Ion:152 Resp: 114709
Ion Ratio Lower Upper
152 100
150 156.9 128.3 192.5
115 62.7 51.1 76.7



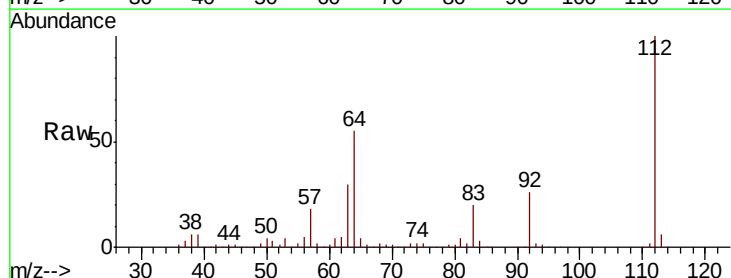
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



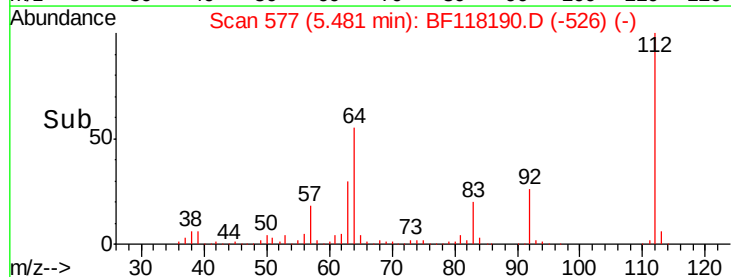
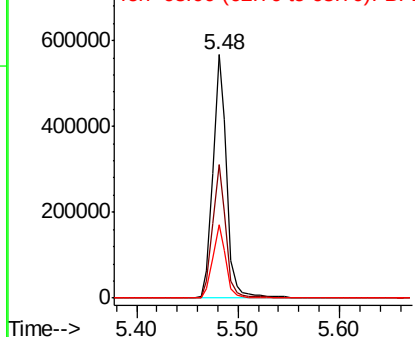
#5

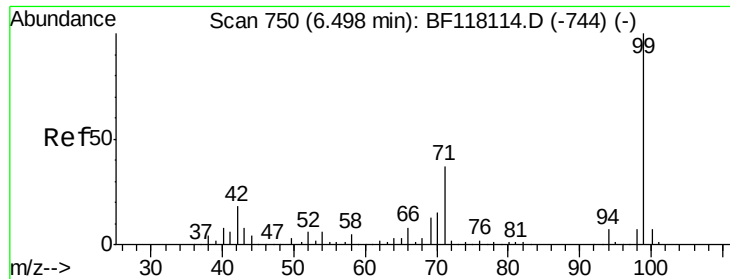
2-Fluorophenol
Concen: 81.901 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF118190.D
Acq: 13 Dec 2019 17:07

Tgt Ion:112 Resp: 536393
Ion Ratio Lower Upper
112 100
64 54.9 41.3 61.9
63 29.9 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: 54.359 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF118190.D

Acq: 13 Dec 2019 17:07

Instrument :

BNA_F

ClientSampled :

MW-03

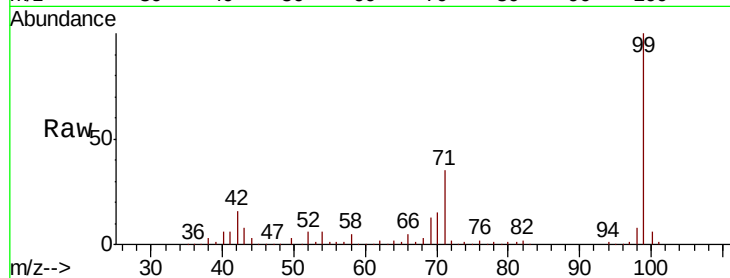
Tot Ion: 99 Resp: 430607

Ion Ratio Lower Upper

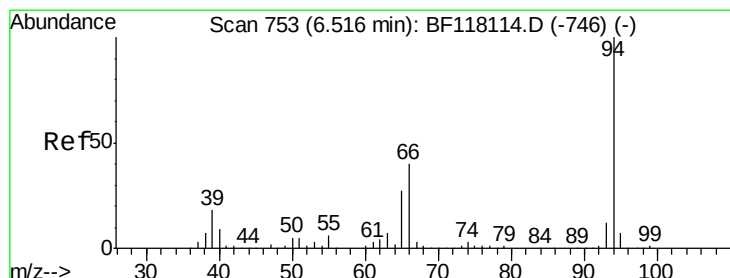
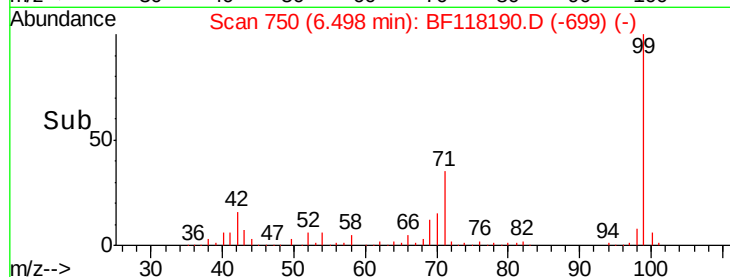
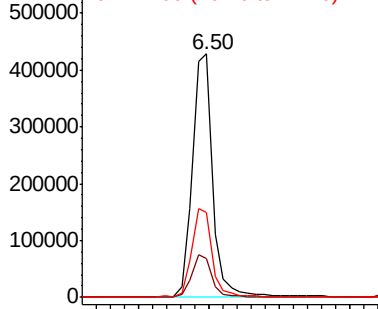
99 100

42 16.2 14.1 21.1

71 34.9 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



#10

Phenol

Concen: 2.628 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118190.D

Acq: 13 Dec 2019 17:07

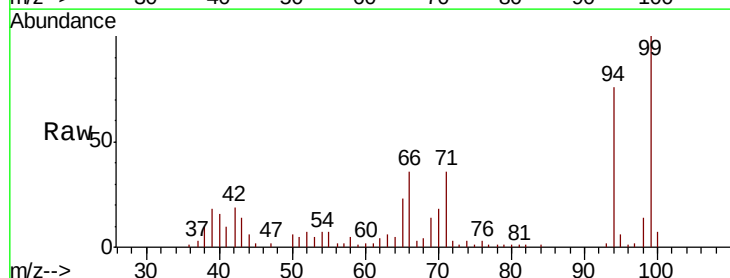
Tgt Ion: 94 Resp: 23743

Ion Ratio Lower Upper

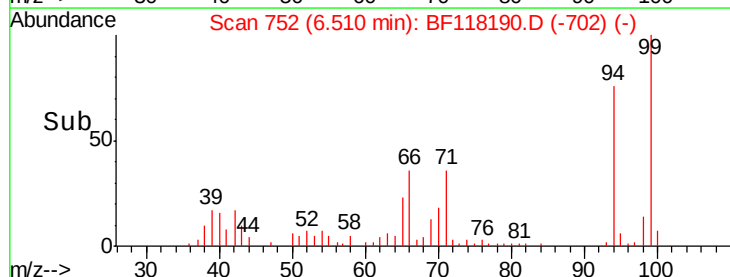
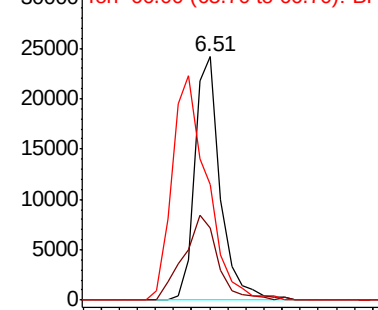
94 100

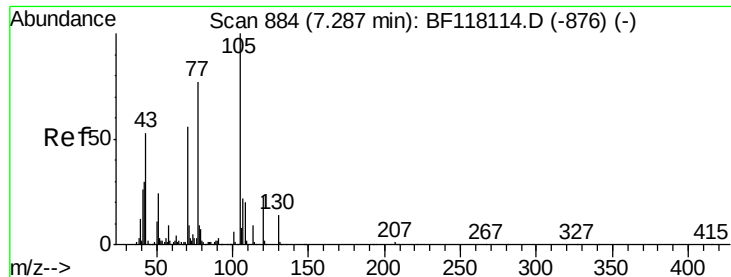
65 29.8 7.3 47.3

66 47.7 20.2 60.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 17.918 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF118190.D

Acq: 13 Dec 2019 17:07

Instrument :

BNA_F

ClientSampleId :

MW-03

Tot Ion: 70 Resp: 86249

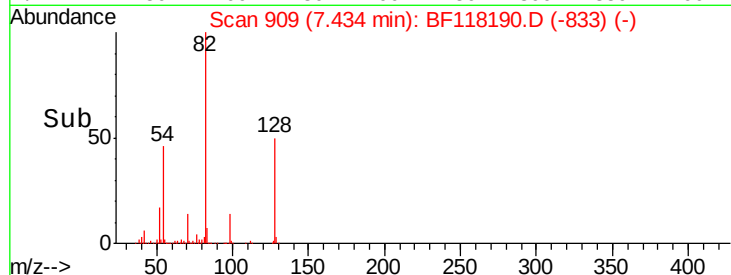
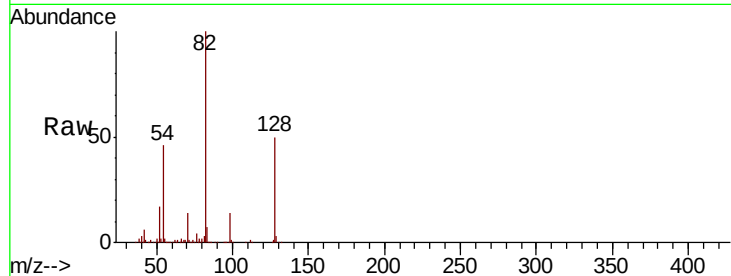
Ion Ratio Lower Upper

70 100

42 44.6 43.2 64.8

101 0.0 8.1 12.1#

130 2.3 19.8 29.8#

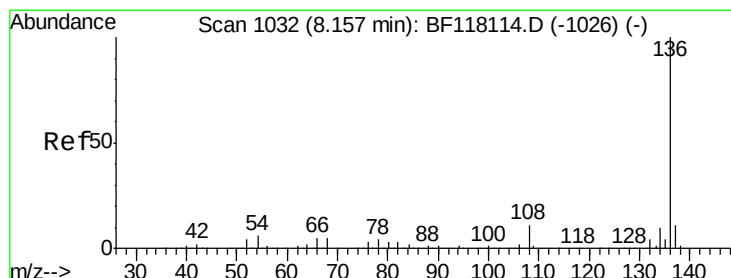
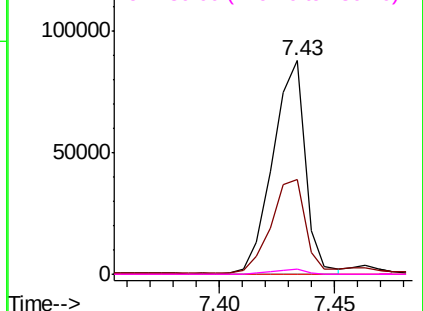


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF118190.D

Acq: 13 Dec 2019 17:07

Tgt Ion: 136 Resp: 437317

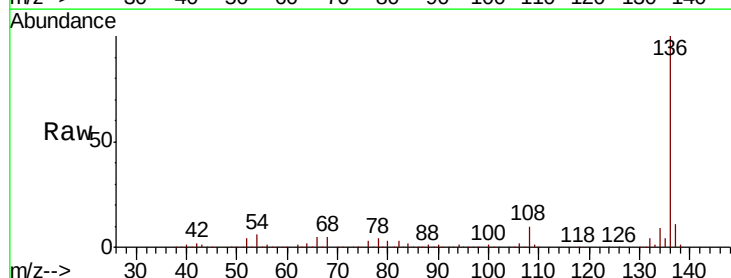
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 6.4 5.0 7.6

68 4.6 3.8 5.8

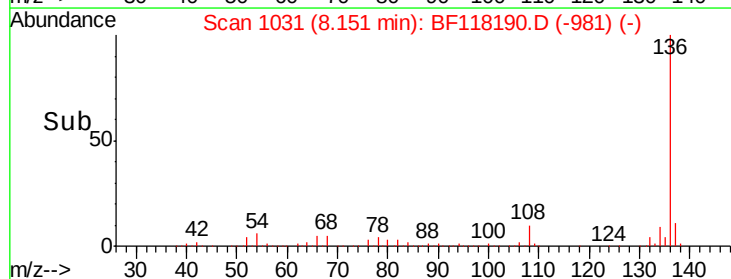
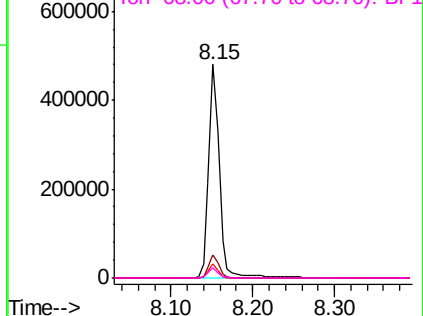


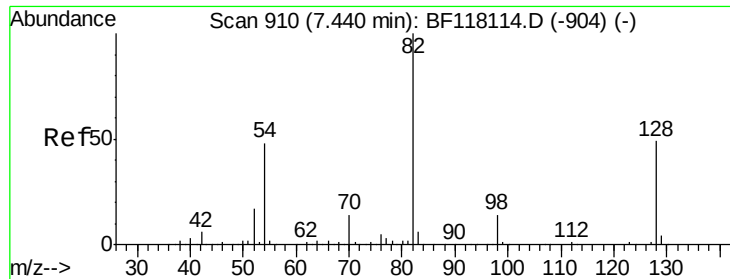
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

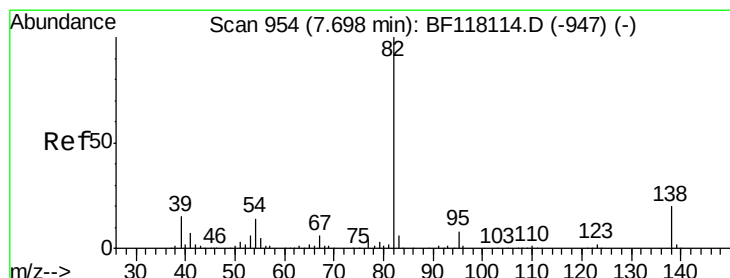
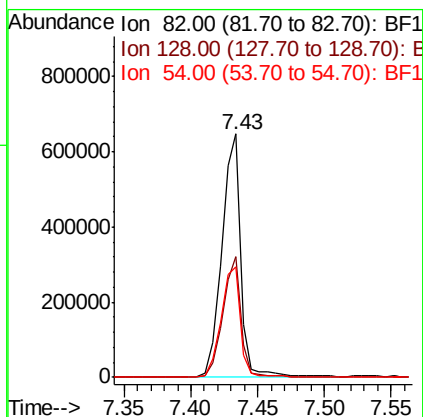
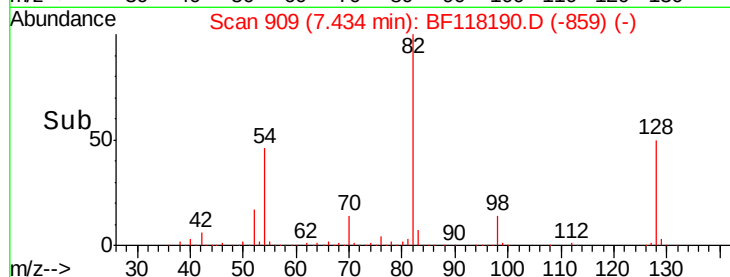
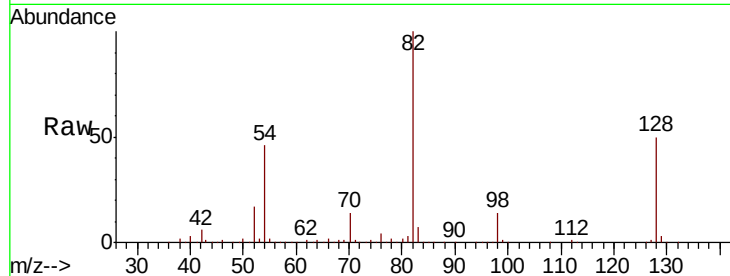




#23
Nitrobenzene-d5
Concen: 83.646 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118190.D
Acq: 13 Dec 2019 17:07

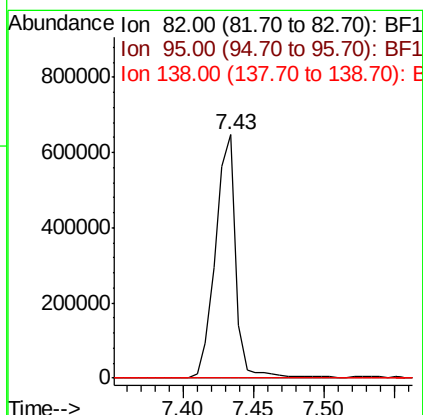
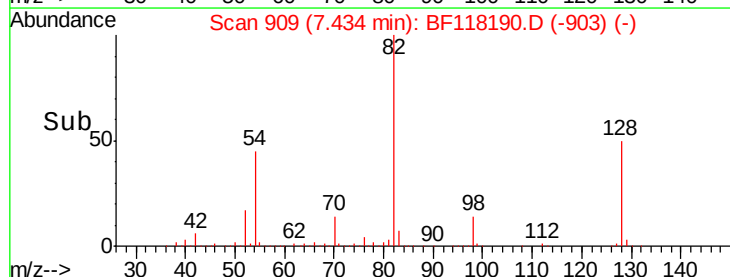
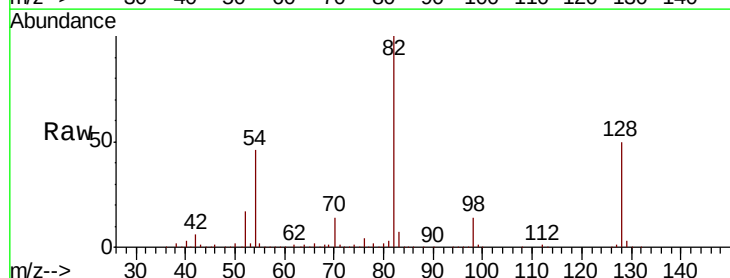
Instrument :
BNA_F
ClientSampled :
MW-03

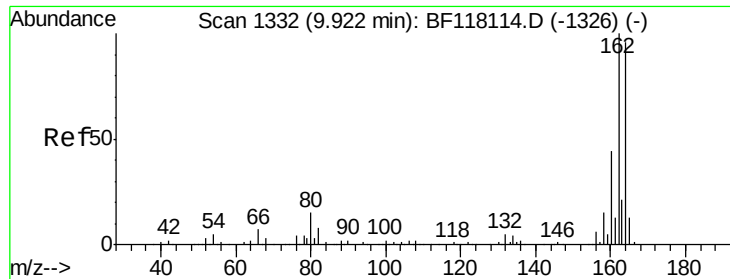
Tot Ion: 82 Resp: 650214
Ion Ratio Lower Upper
82 100
128 49.6 39.1 58.7
54 45.5 38.2 57.2



#25
Isophorone
Concen: 48.974 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.26 min
Lab File: BF118190.D
Acq: 13 Dec 2019 17:07

Tgt Ion: 82 Resp: 645367
Ion Ratio Lower Upper
82 100
95 0.1 6.3 9.5#
138 0.0 16.3 24.5#

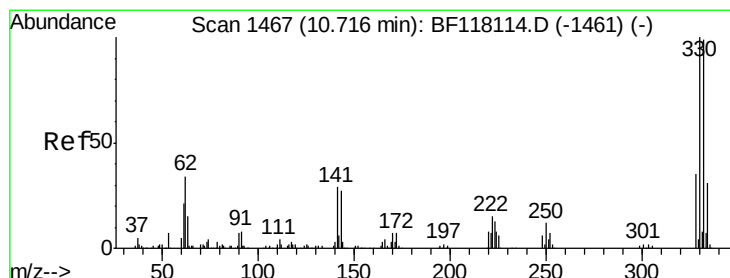
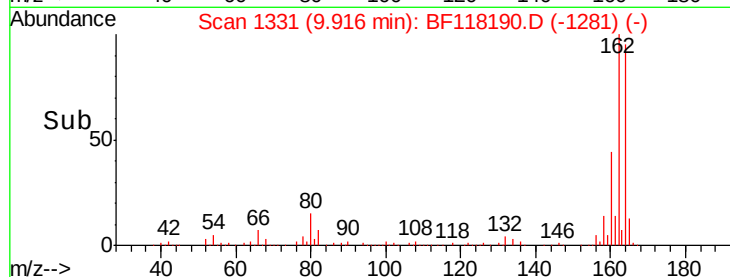
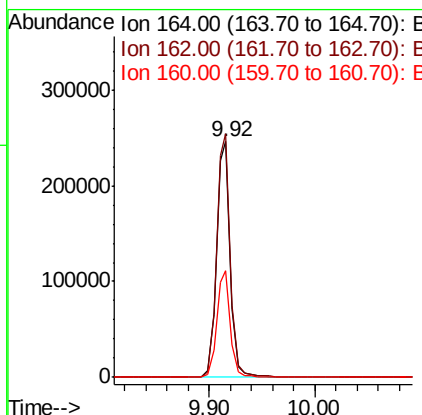
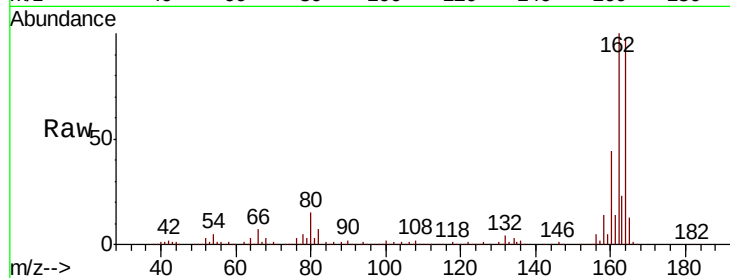




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF118190.D
 Acq: 13 Dec 2019 17:07

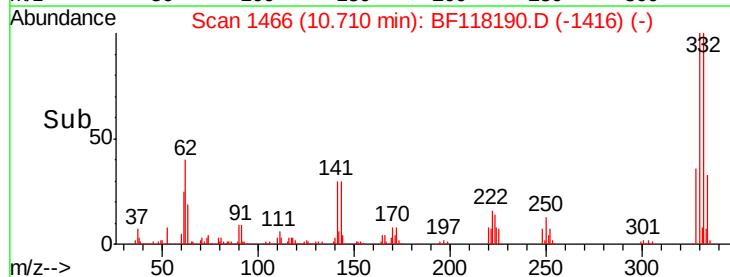
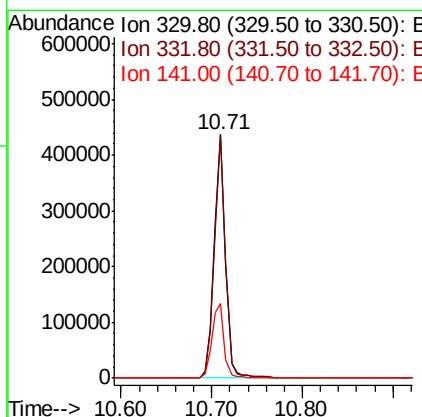
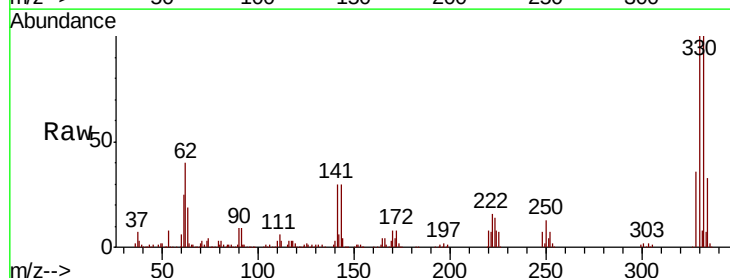
Instrument :
 BNA_F
 ClientSampleId :
 MW-03

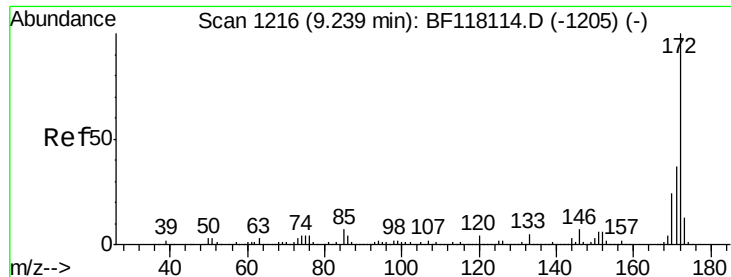
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.3	83.4	125.0
160	45.2	36.6	54.8



#42
 2,4,6-Tribromophenol
 Concen: 139.262 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF118190.D
 Acq: 13 Dec 2019 17:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.2	78.1	117.1
141	32.9	26.9	40.3

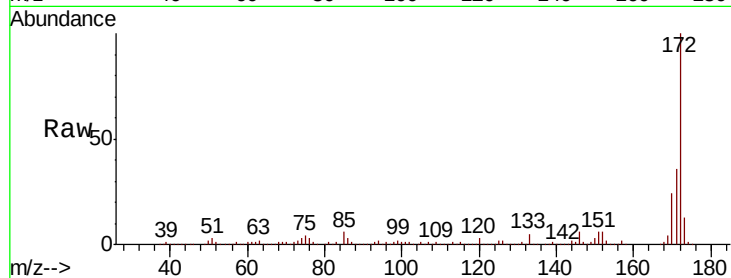




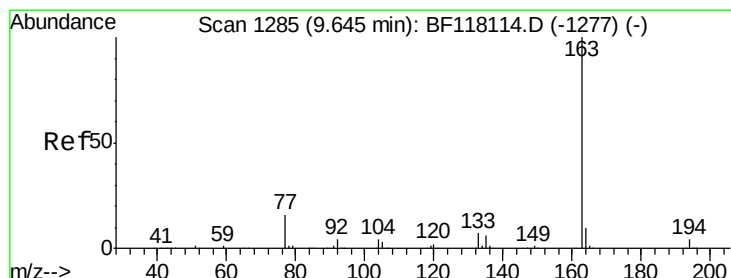
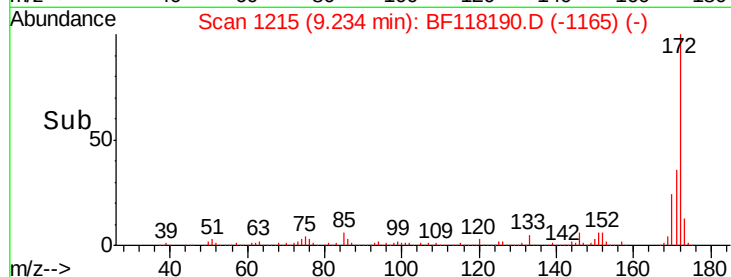
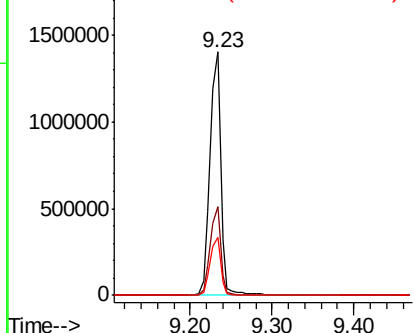
#45
2-Fluorobiphenyl
Concen: 86.715 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF118190.D
Acq: 13 Dec 2019 17:07

Instrument :
BNA_F
ClientSampleId :
MW-03

Tot Ion:172 Resp: 1295309
Ion Ratio Lower Upper
172 100
171 36.2 29.2 43.8
170 23.8 19.4 29.2

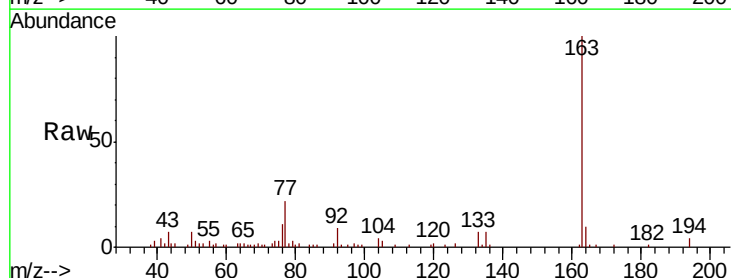


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

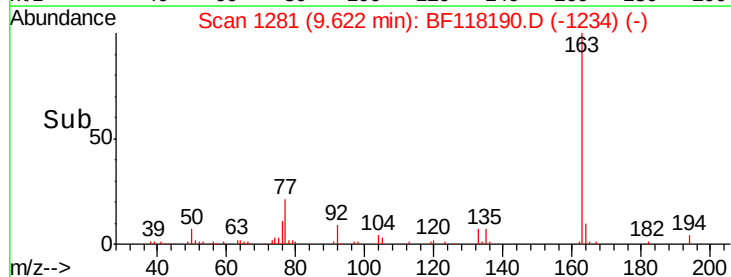
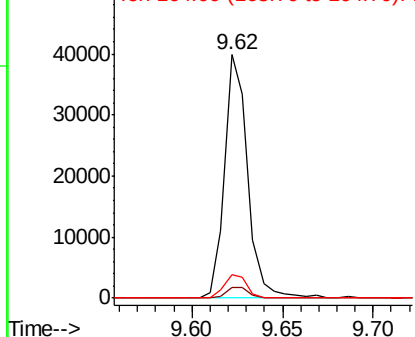


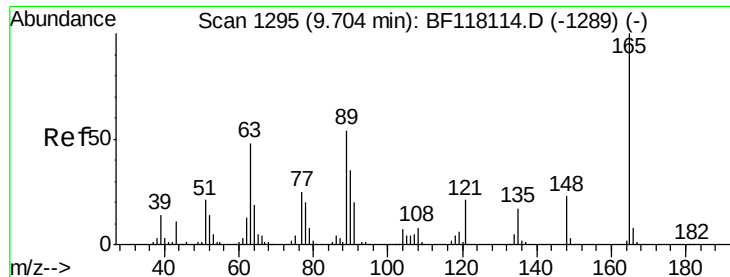
#50
Dimethylphthalate
Concen: 2.109 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118190.D
Acq: 13 Dec 2019 17:07

Tgt Ion:163 Resp: 35410
Ion Ratio Lower Upper
163 100
194 4.3 3.1 4.7
164 9.6 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: 8.261 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF118190.D

Acq: 13 Dec 2019 17:07

Instrument :

BNA_F

ClientSampleId :

MW-03

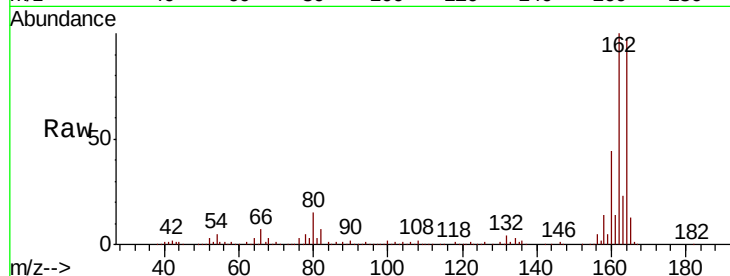
Tot Ion:165 Resp: 30158

Ion Ratio Lower Upper

165 100

63 2.0 41.4 62.0#

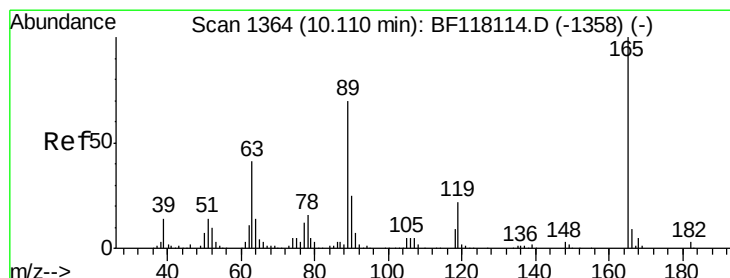
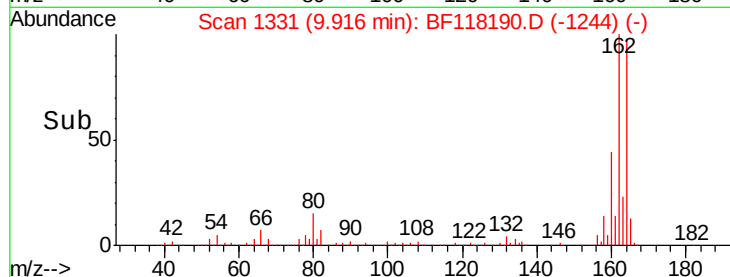
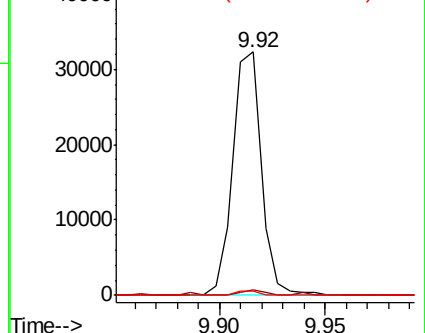
89 1.6 42.9 64.3#



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: 6.189 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF118190.D

Acq: 13 Dec 2019 17:07

Tgt Ion:165 Resp: 30158

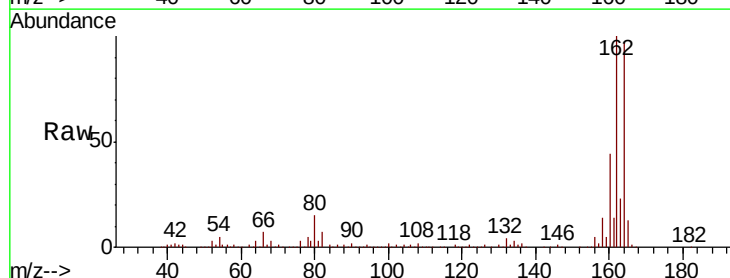
Ion Ratio Lower Upper

165 100

63 2.0 32.6 49.0#

89 1.6 56.1 84.1#

182 1.0 2.1 3.1#

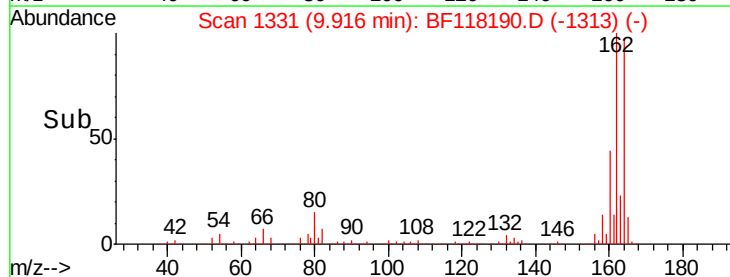
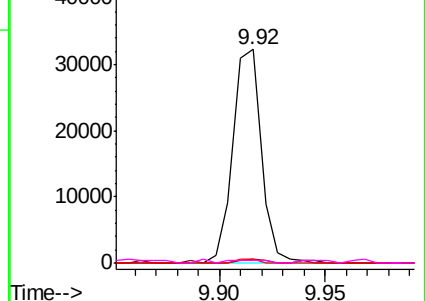


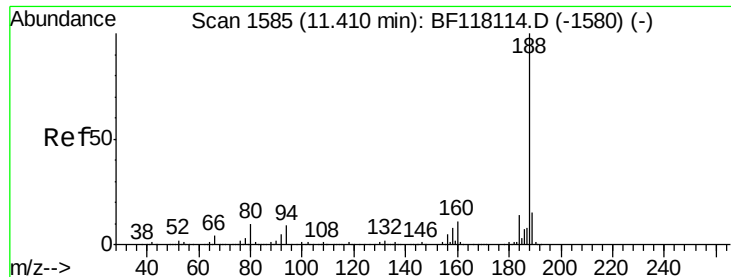
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF118190.D

Acq: 13 Dec 2019 17:07

Instrument :

BNA_F

ClientSampleId :

MW-03

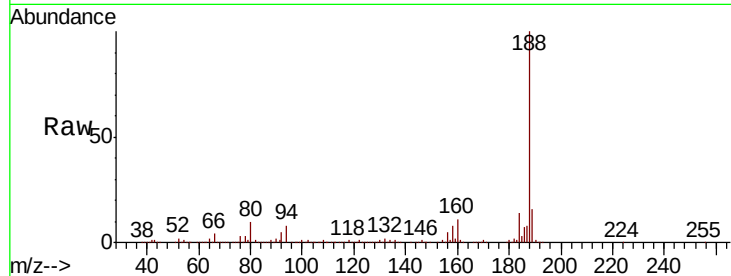
Tot Ion:188 Resp: 421124

Ion Ratio Lower Upper

188 100

94 8.4 7.1 10.7

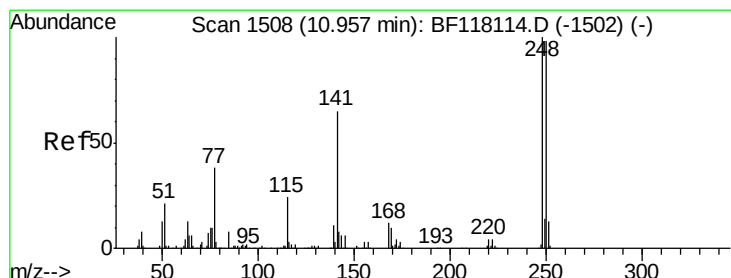
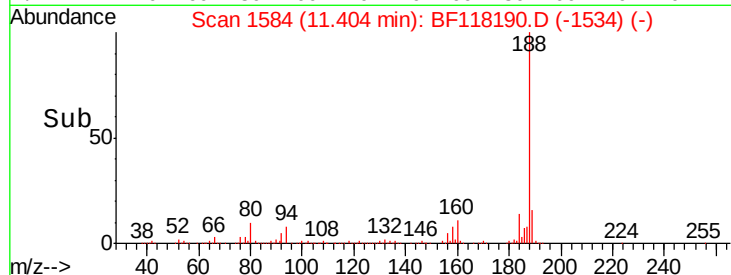
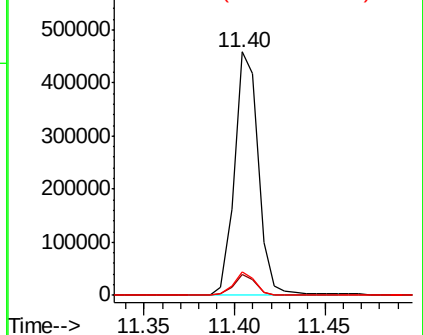
80 9.6 7.9 11.9



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: 5.167 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.25 min

Lab File: BF118190.D

Acq: 13 Dec 2019 17:07

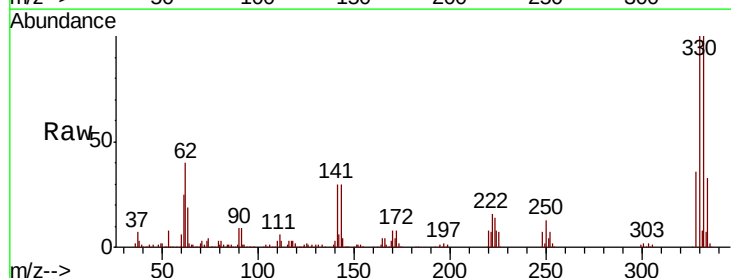
Tgt Ion:248 Resp: 24838

Ion Ratio Lower Upper

248 100

250 187.7 78.3 117.5#

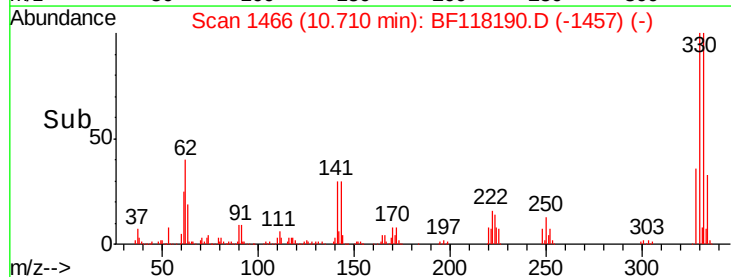
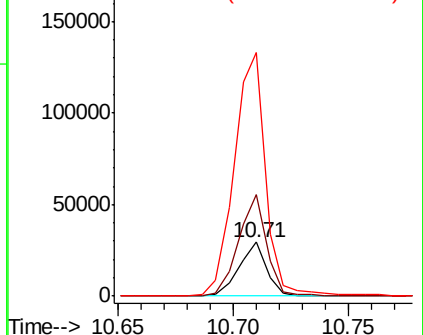
141 451.0 52.2 78.4#

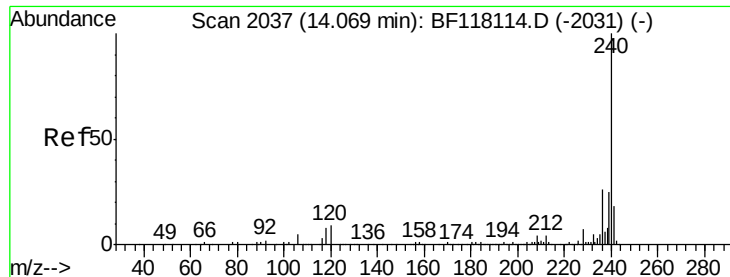


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

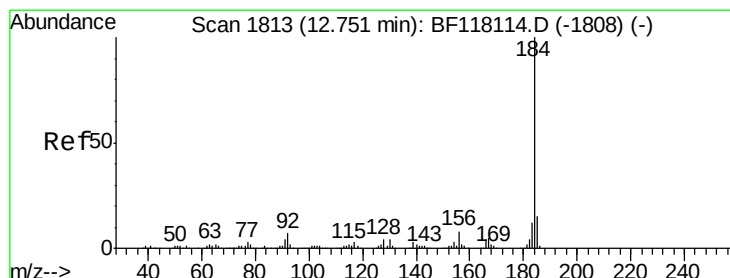
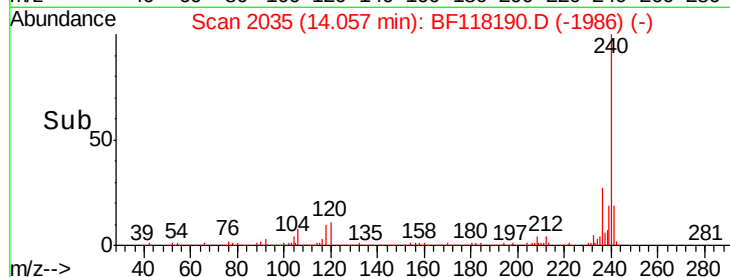
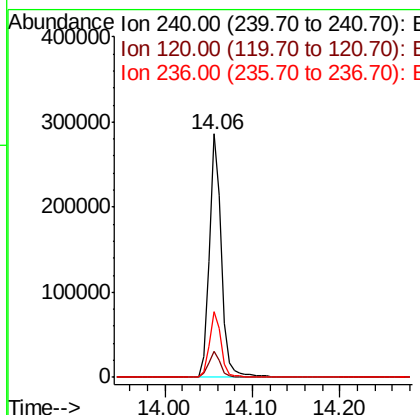
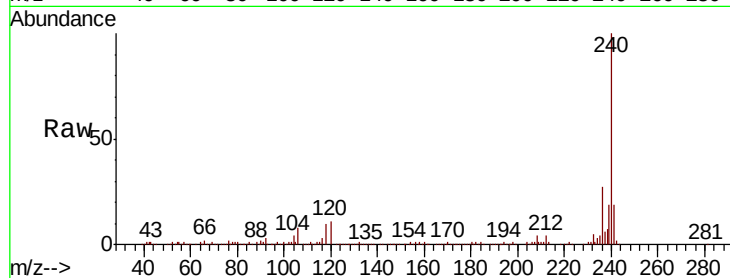




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF118190.D
 Acq: 13 Dec 2019 17:07

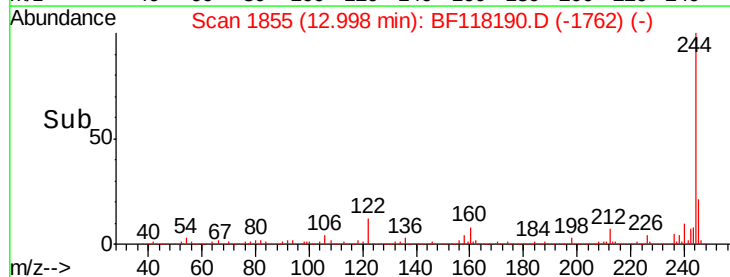
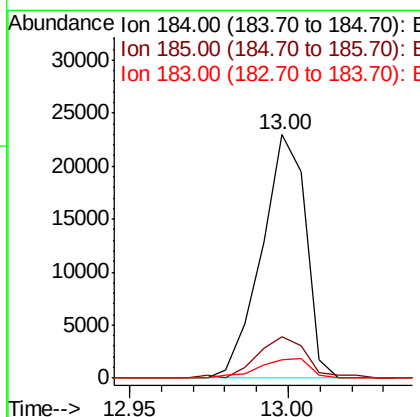
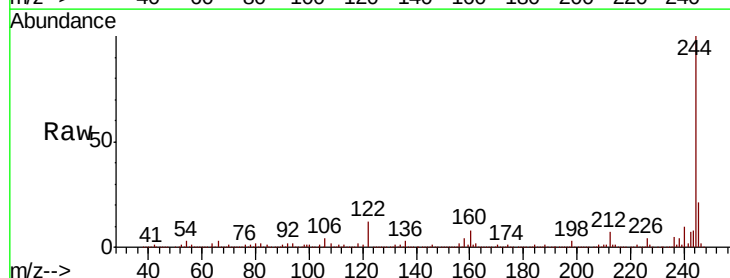
Instrument :
 BNA_F
 ClientSampleId :
 MW-03

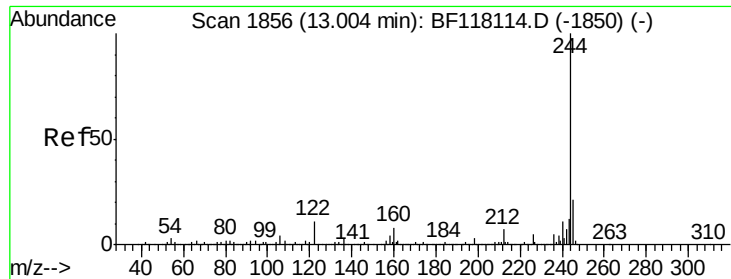
Tot Ion:240 Resp: 272834
 Ion Ratio Lower Upper
 240 100
 120 10.7 7.1 10.7#
 236 27.1 21.0 31.6



#77
 Benzidine
 Concen: 3.095 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. 0.25 min
 Lab File: BF118190.D
 Acq: 13 Dec 2019 17:07

Tgt Ion:184 Resp: 22229
 Ion Ratio Lower Upper
 184 100
 185 17.0 12.3 18.5
 183 7.5 9.9 14.9#





#79

Terphenyl-d14

Concen: 100.592 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF118190.D

Acq: 13 Dec 2019 17:07

Instrument :

BNA_F

ClientSampleId :

MW-03

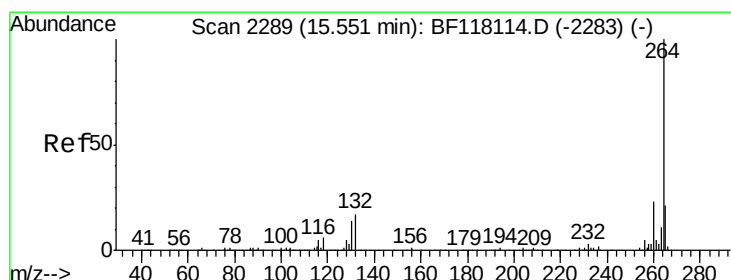
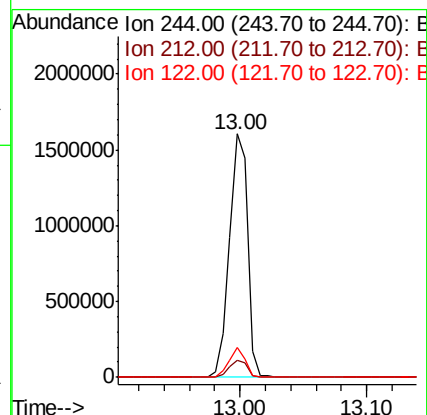
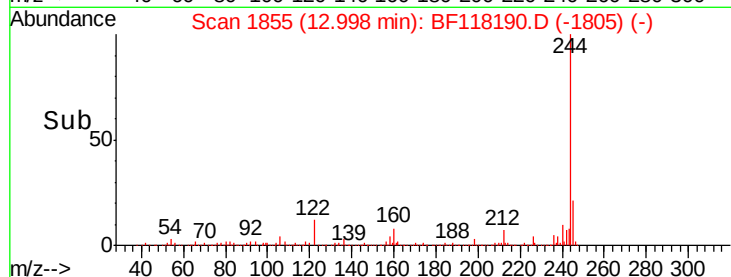
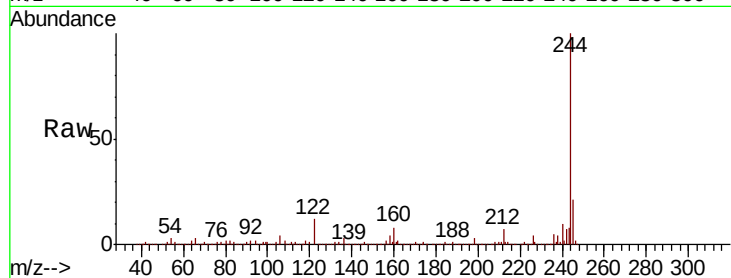
Tot Ion:244 Resp: 1595984

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 12.0 9.0 13.6



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BF118190.D

Acq: 13 Dec 2019 17:07

Tgt Ion:264 Resp: 278710

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 22.0 16.8 25.2

