

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
 Data File : BF118181.D
 Acq On : 13 Dec 2019 12:49
 Operator : JU
 Sample : PB125387BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 17:31:56 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

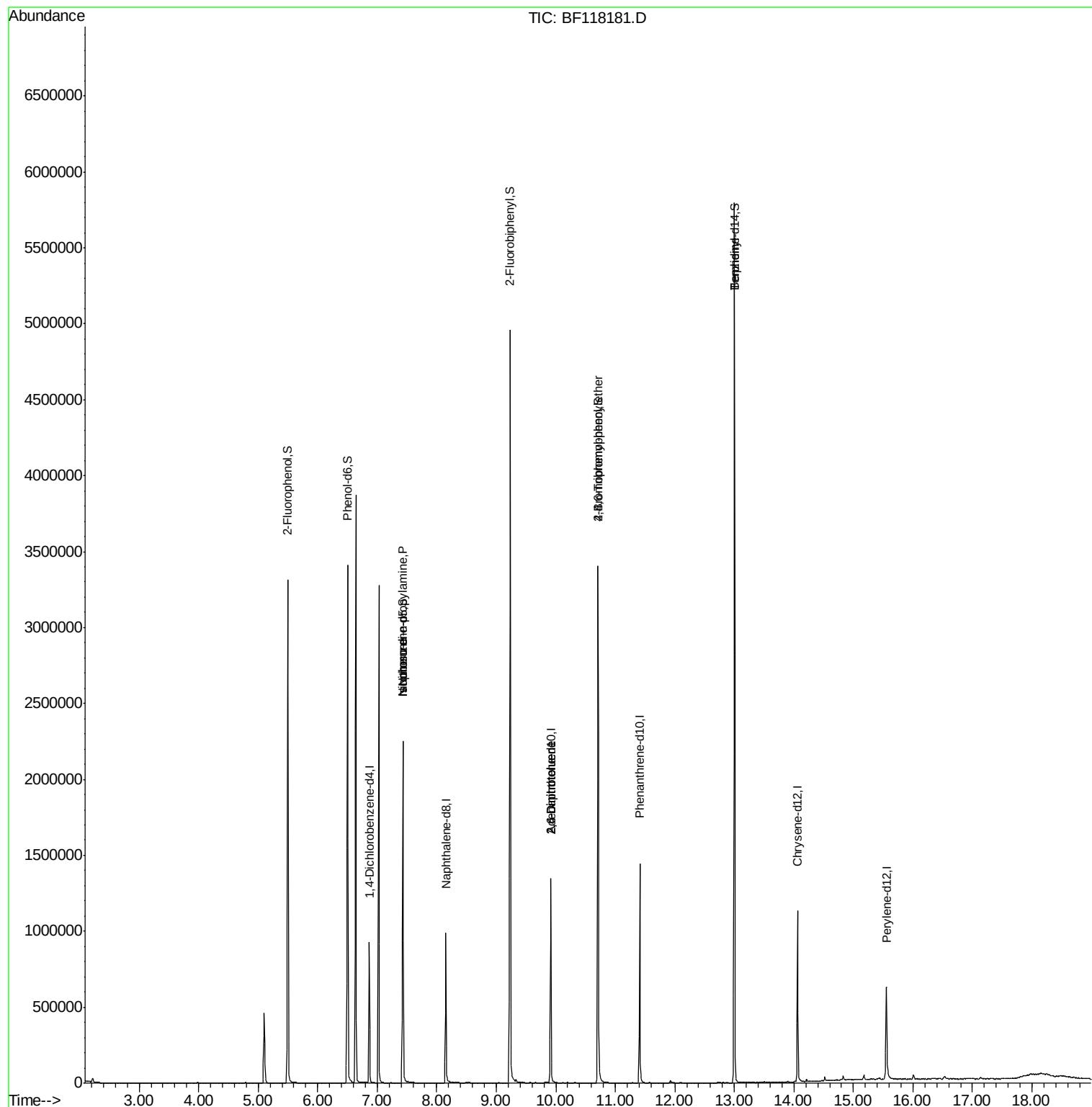
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	135935	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	536310	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	288132	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	561082	20.00	ng	0.00
76) Chrysene-d12	14.06	240	406060	20.00	ng	0.00
87) Perylene-d12	15.55	264	349790	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1046013	134.77	ng	0.02
7) Phenol-d6	6.50	99	1302736	138.77	ng	0.00
23) Nitrobenzene-d5	7.43	82	796439	83.54	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	467931	133.68	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1637947	86.50	ng	0.00
79) Terphenyl-d14	13.00	244	2112584	89.47	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	1933	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	108385	19.001 ng	#	1
25) Isophorone	7.43	82	784705	48.557 ng	#	77
51) 2,6-Dinitrotoluene	9.92	165	36951	7.985 ng	#	62
57) 2,4-Dinitrotoluene	9.92	165	36951	5.982 ng	#	27
67) 4-Bromophenyl-phenylether	10.71	248	29097	4.543 ng	#	25
77) Benizidine	13.00	184	29812	2.789 ng	#	1
					#	93

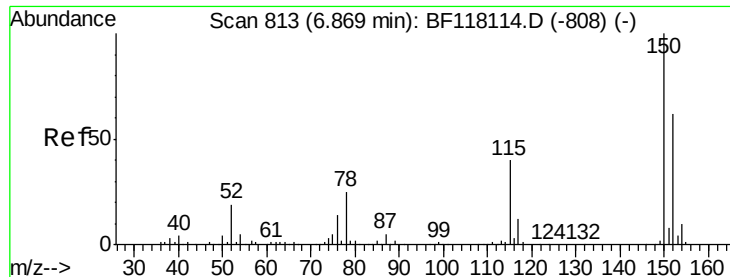
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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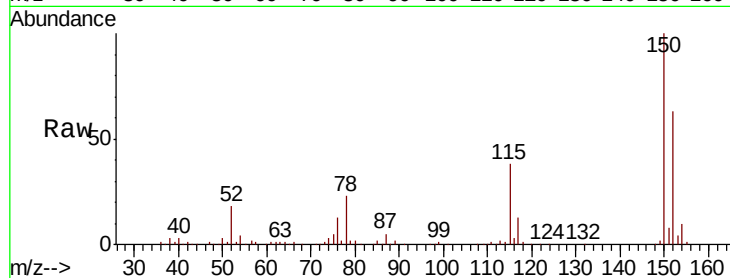


#1

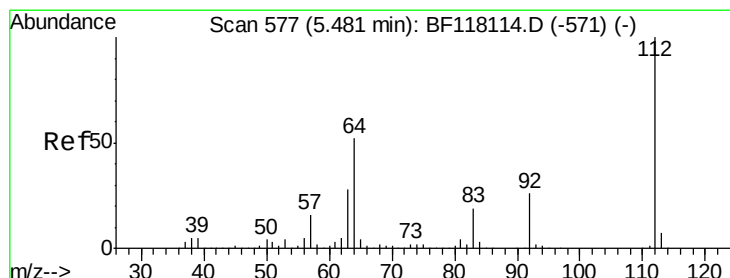
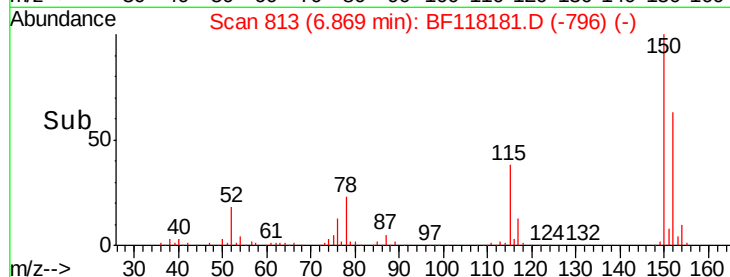
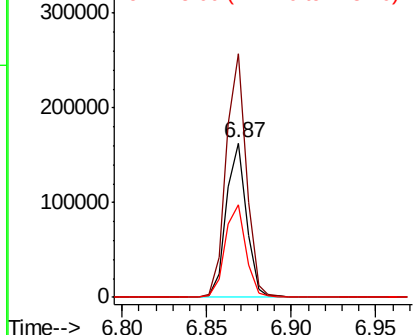
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118181.D
Acq: 13 Dec 2019 12:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 135935
Ion Ratio Lower Upper
152 100
150 157.8 128.3 192.5
115 59.8 51.1 76.7



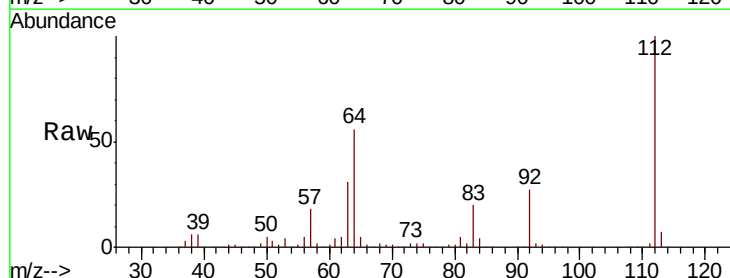
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



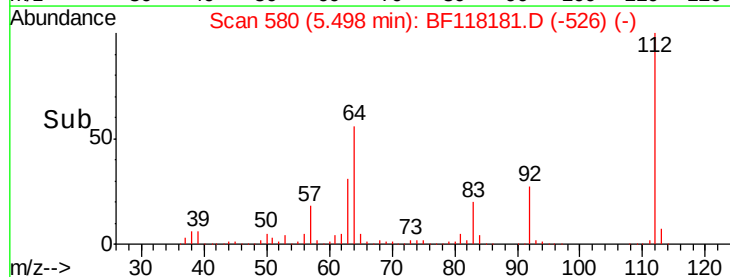
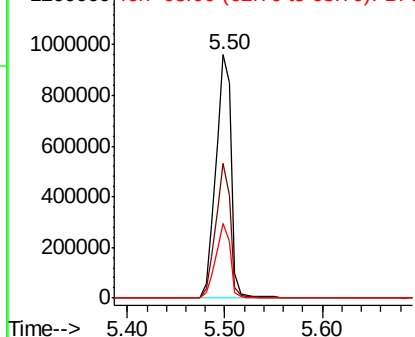
#5

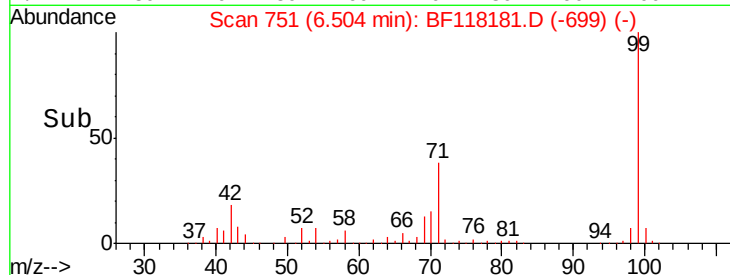
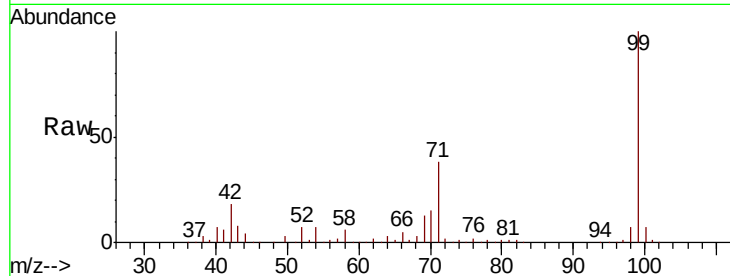
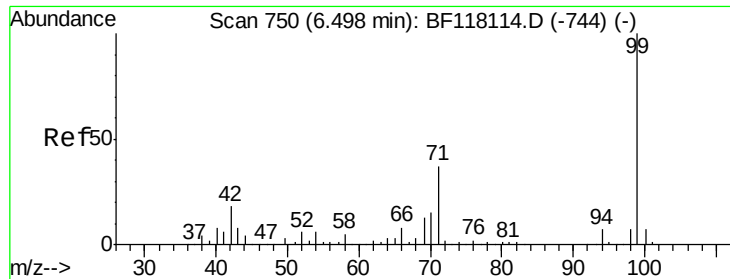
2-Fluorophenol
Concen: 134.774 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.02 min
Lab File: BF118181.D
Acq: 13 Dec 2019 12:49

Tgt Ion:112 Resp: 1046013
Ion Ratio Lower Upper
112 100
64 55.5 41.3 61.9
63 30.7 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: 138.775 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF118181.D

Acq: 13 Dec 2019 12:49

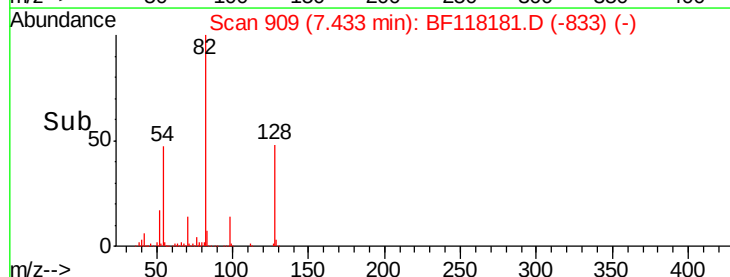
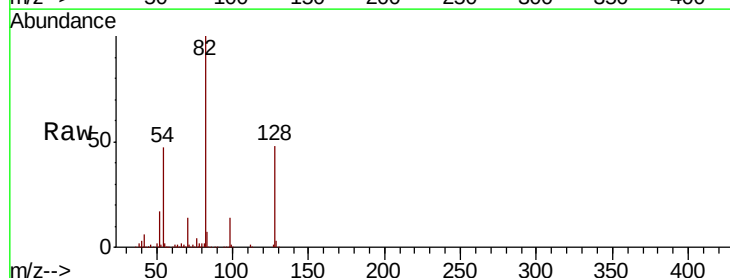
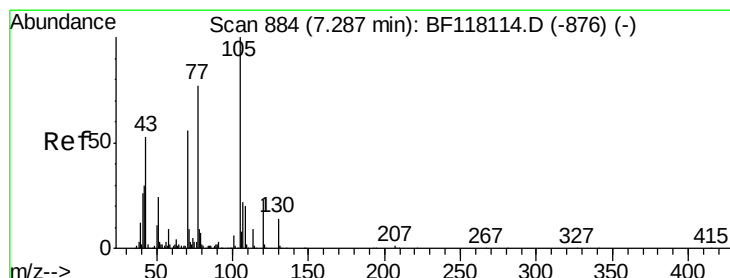
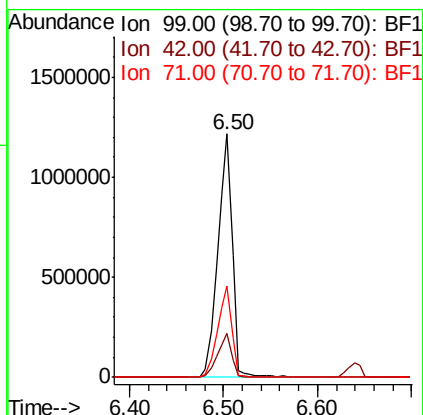
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1302736

Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.1	21.1
71	37.5	29.7	44.5



#19

n-Nitroso-di-n-propylamine

Concen: 19.001 ng

RT: 7.43 min Scan# 909

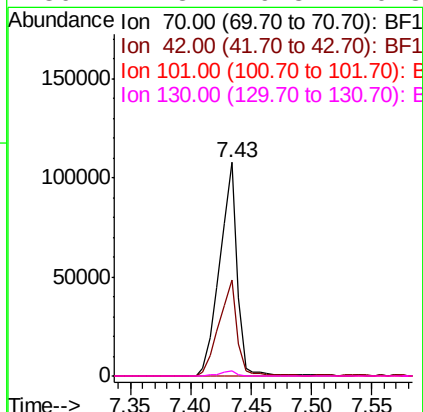
Delta R.T. 0.15 min

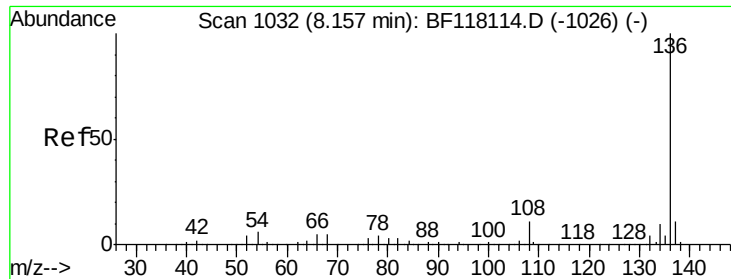
Lab File: BF118181.D

Acq: 13 Dec 2019 12:49

Tgt Ion: 70 Resp: 108385

Ion	Ratio	Lower	Upper
70	100		
42	45.2	43.2	64.8
101	0.0	8.1	12.1#
130	2.3	19.8	29.8#

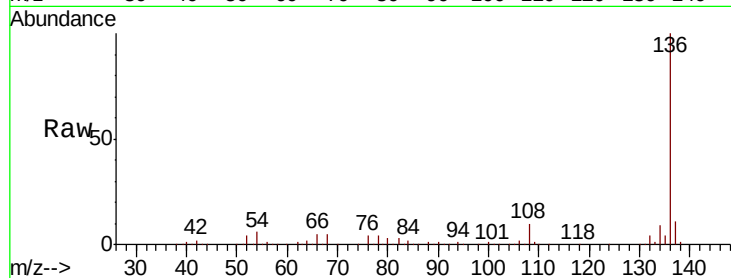




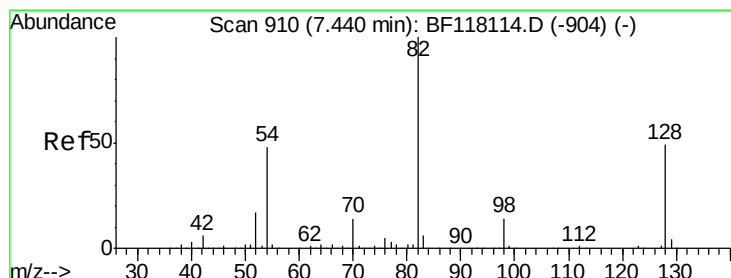
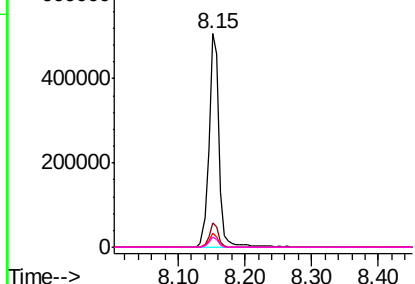
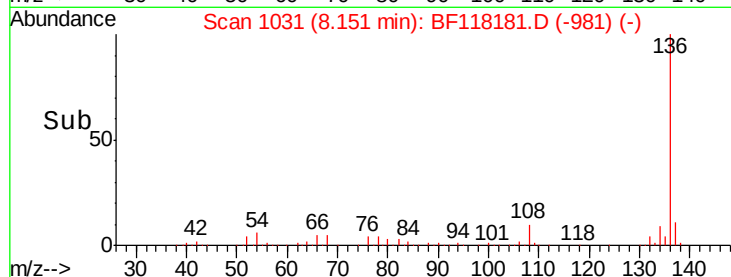
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118181.D
Acq: 13 Dec 2019 12:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	536310
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.0 13.6
54	6.4	5.0 7.6
68	4.8	3.8 5.8

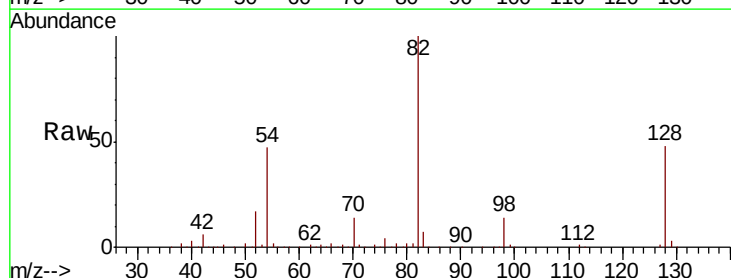


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

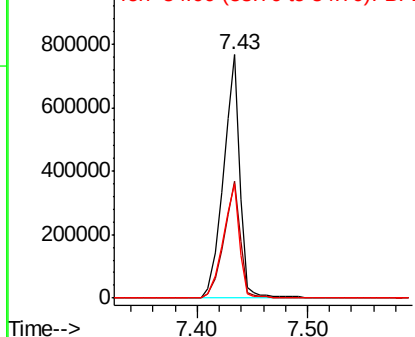
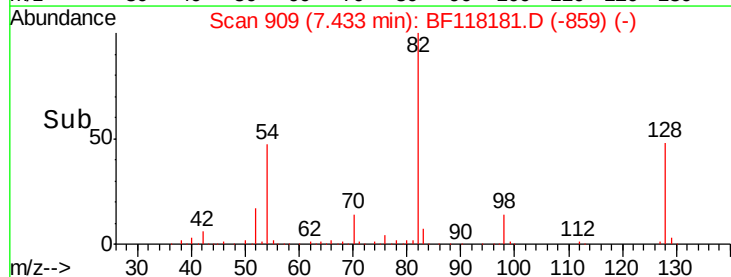


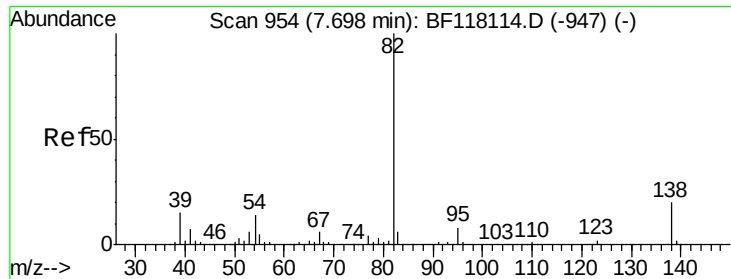
#23
Nitrobenzene-d5
Concen: 83.545 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118181.D
Acq: 13 Dec 2019 12:49

Tgt Ion: 82	Resp:	796439
Ion Ratio	Lower	Upper
82	100	
128	48.1	39.1 58.7
54	46.8	38.2 57.2



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





#25

Isophorone

Concen: 48.557 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF118181.D

Acq: 13 Dec 2019 12:49

Instrument :

BNA_F

ClientSampleId :

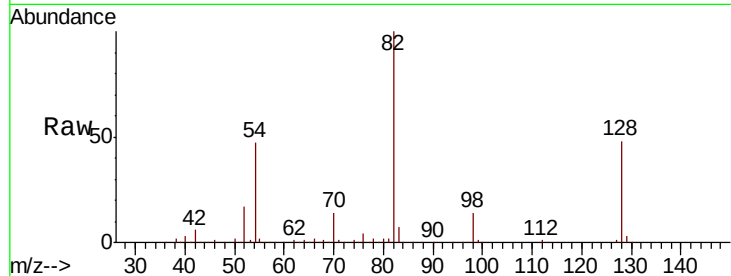
Tot Ion: 82 Resp: 784705

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

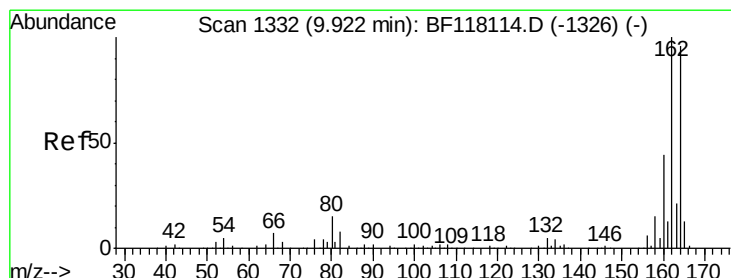
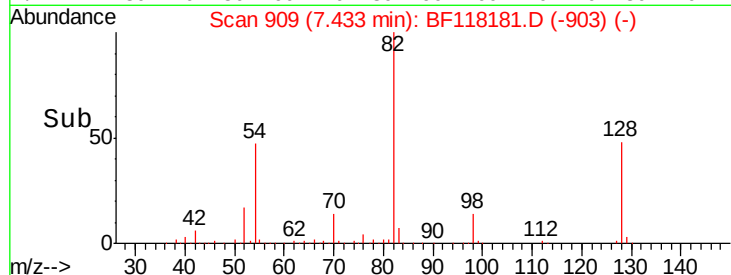
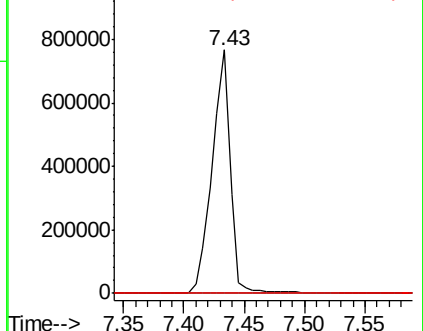
138 0.0 16.3 24.5#



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): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118181.D

Acq: 13 Dec 2019 12:49

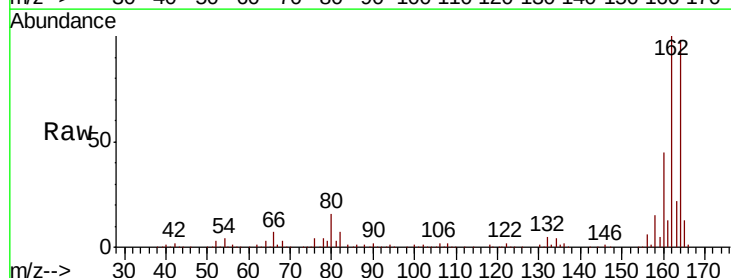
Tgt Ion: 164 Resp: 288132

Ion Ratio Lower Upper

164 100

162 102.5 83.4 125.0

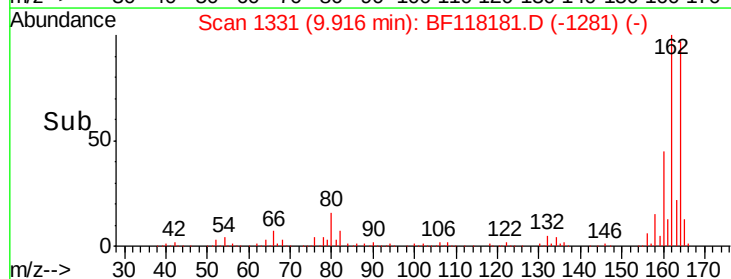
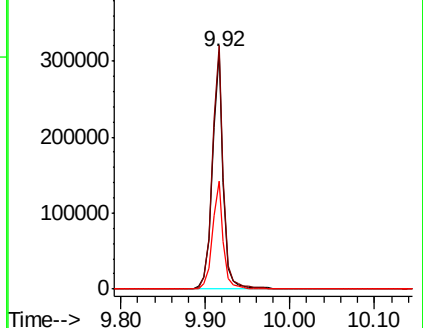
160 45.7 36.6 54.8

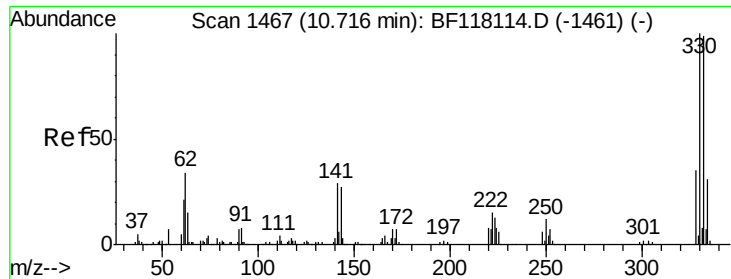


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 133.684 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF118181.D

Acq: 13 Dec 2019 12:49

Instrument :

BNA_F

ClientSampleId :

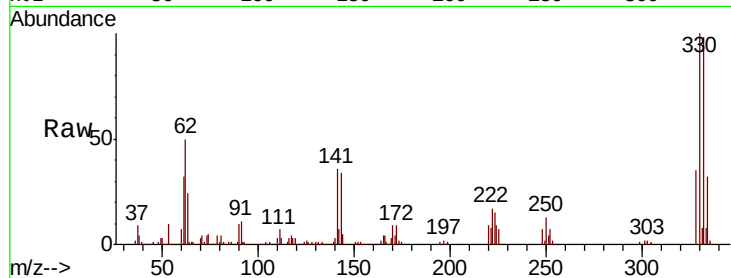
Tot Ion:330 Resp: 467931

Ion Ratio Lower Upper

330 100

332 96.7 78.1 117.1

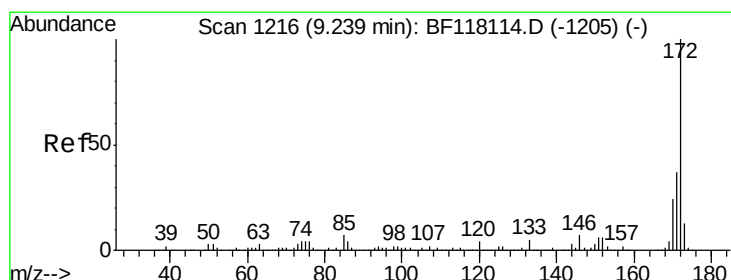
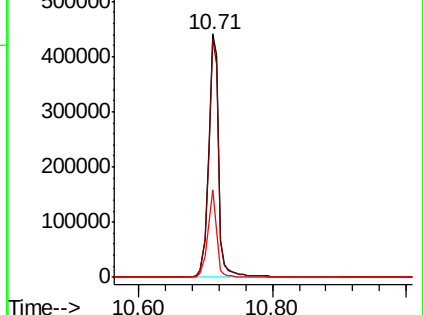
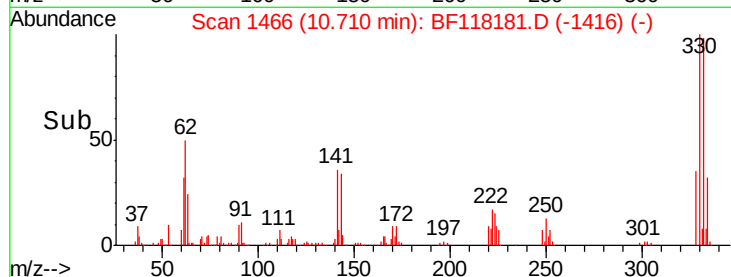
141 32.1 26.9 40.3



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: 86.501 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF118181.D

Acq: 13 Dec 2019 12:49

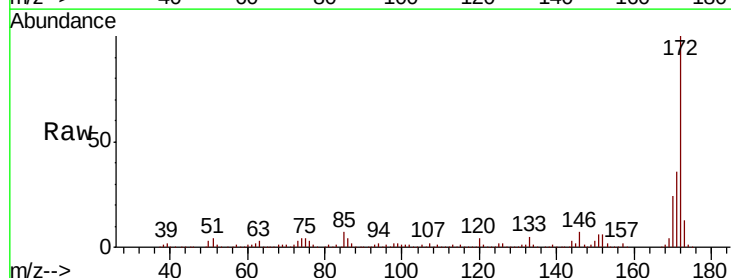
Tgt Ion:172 Resp: 1637947

Ion Ratio Lower Upper

172 100

171 36.0 29.2 43.8

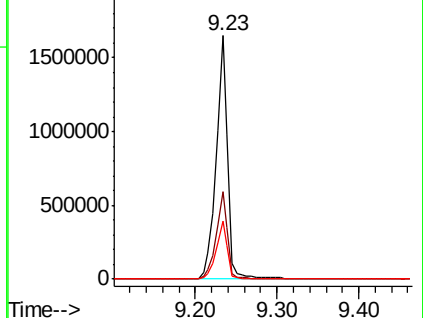
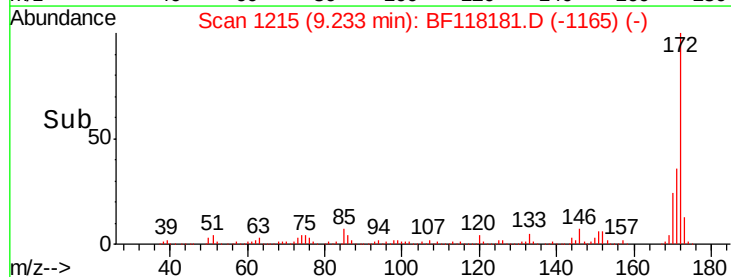
170 23.8 19.4 29.2

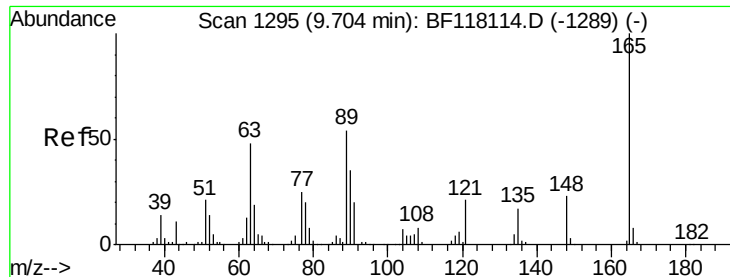


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.985 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF118181.D

Acq: 13 Dec 2019 12:49

Instrument :

BNA_F

ClientSampleId :

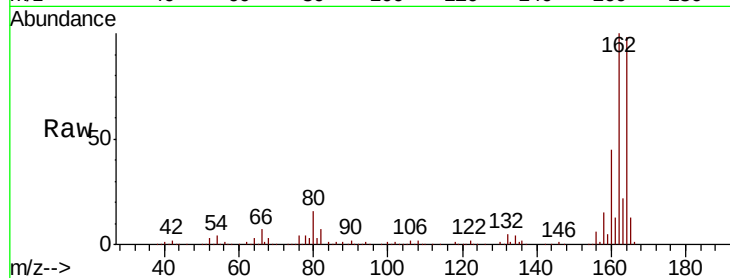
Tot Ion:165 Resp: 36951

Ion Ratio Lower Upper

165 100

63 1.1 41.4 62.0#

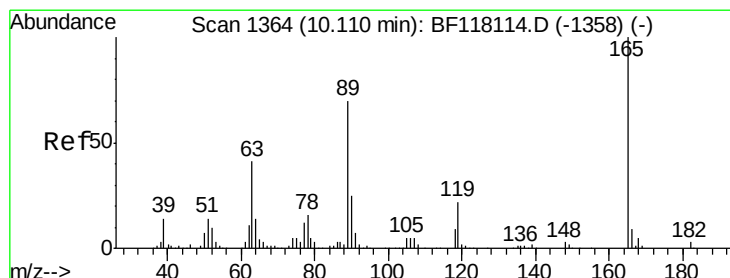
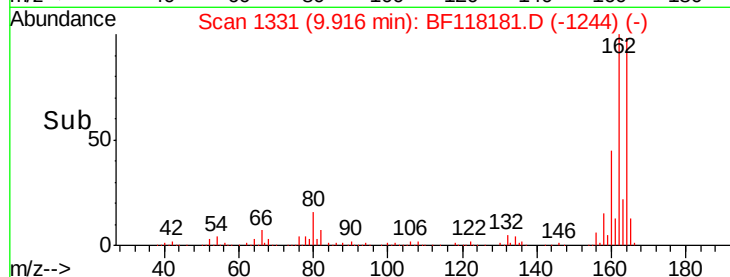
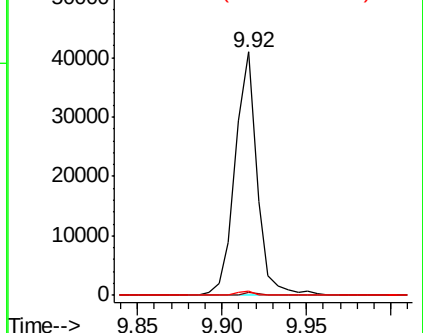
89 1.6 42.9 64.3#



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: 5.982 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF118181.D

Acq: 13 Dec 2019 12:49

Tgt Ion:165 Resp: 36951

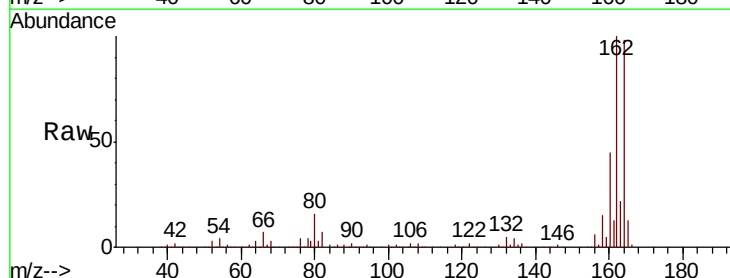
Ion Ratio Lower Upper

165 100

63 1.1 32.6 49.0#

89 1.6 56.1 84.1#

182 0.0 2.1 3.1#

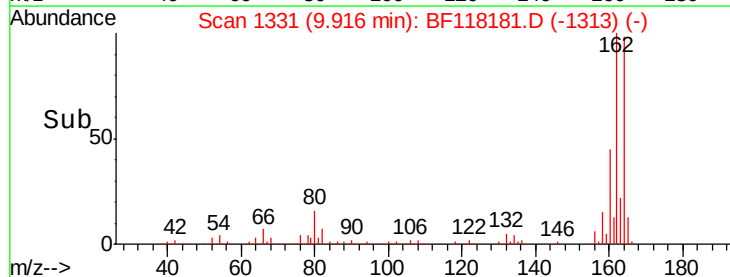
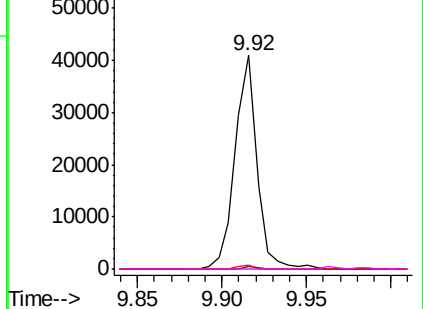


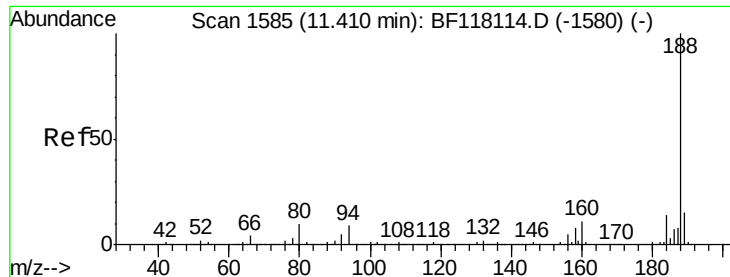
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF118181.D

Acq: 13 Dec 2019 12:49

Instrument :

BNA_F

ClientSampleId :

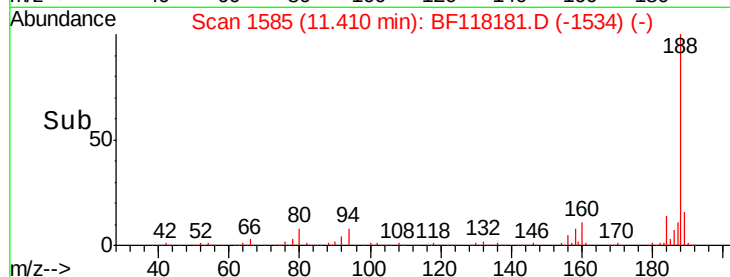
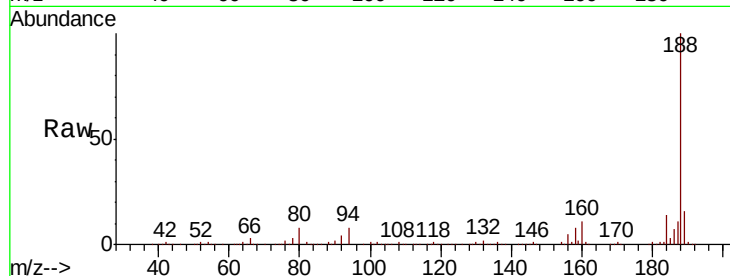
Tot Ion:188 Resp: 561082

Ion Ratio Lower Upper

188 100

94 7.5 7.1 10.7

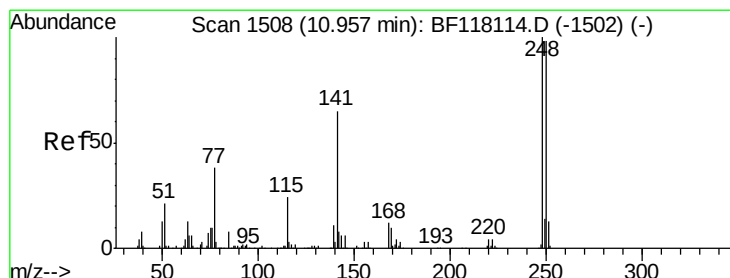
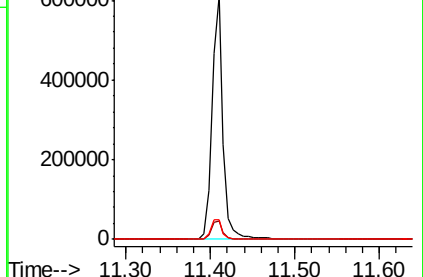
80 8.3 7.9 11.9



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: 4.543 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.25 min

Lab File: BF118181.D

Acq: 13 Dec 2019 12:49

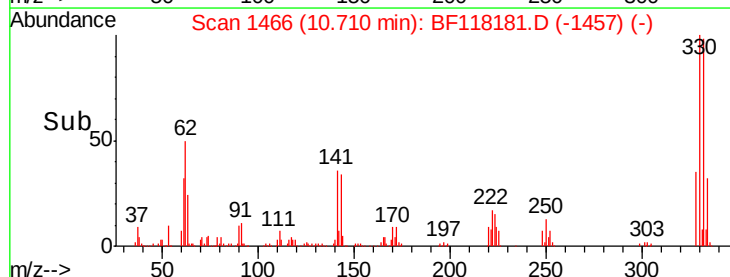
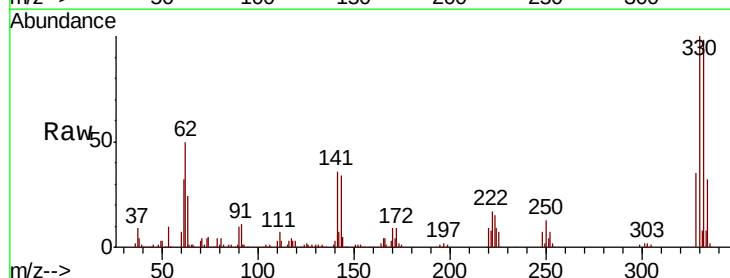
Tgt Ion:248 Resp: 29097

Ion Ratio Lower Upper

248 100

250 201.0 78.3 117.5#

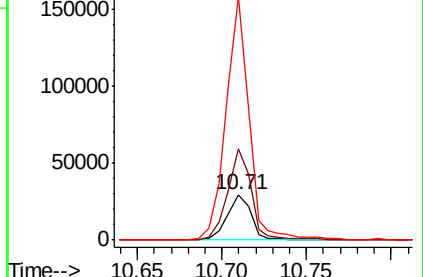
141 536.7 52.2 78.4#

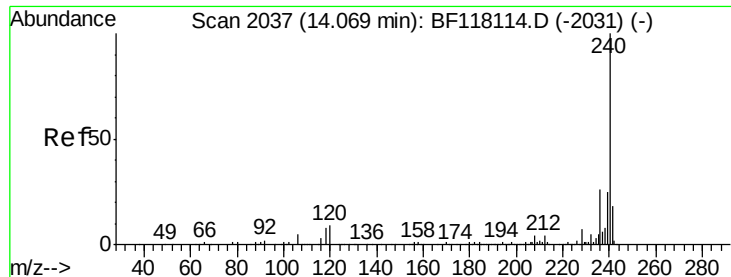


Abundance Ion 248.00 (247.70 to 248.70): E

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# 2036

Delta R.T. -0.01 min

Lab File: BF118181.D

Acq: 13 Dec 2019 12:49

Instrument :

BNA_F

ClientSampleId :

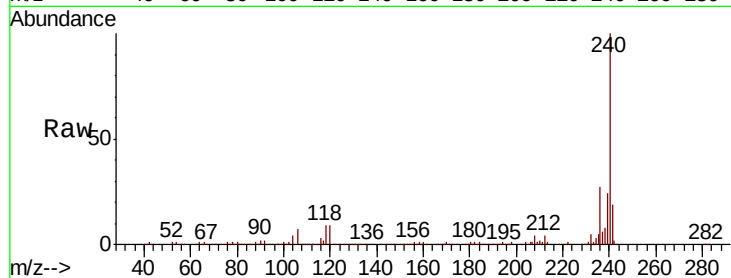
Tot Ion:240 Resp: 406060

Ion Ratio Lower Upper

240 100

120 9.4 7.1 10.7

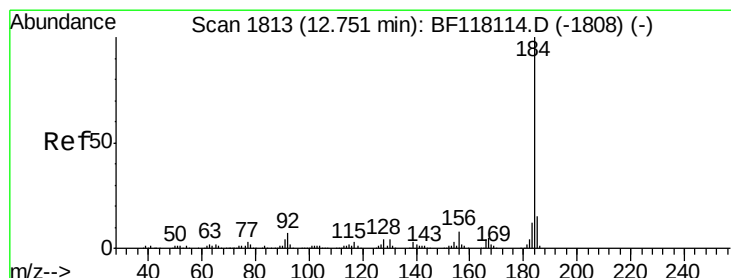
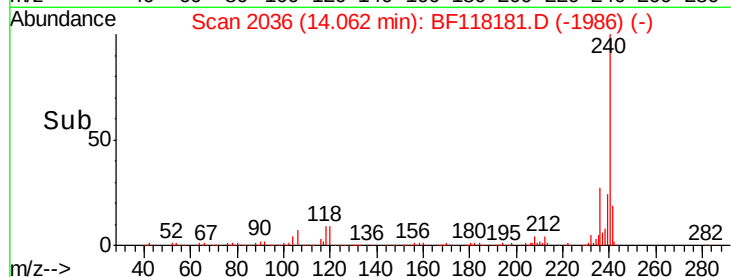
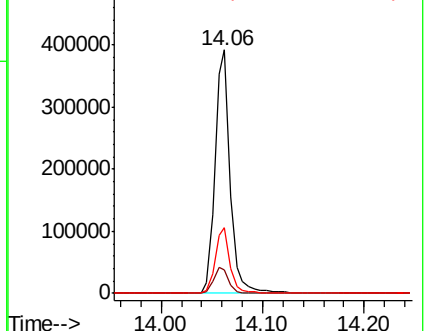
236 26.8 21.0 31.6



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: 2.789 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.25 min

Lab File: BF118181.D

Acq: 13 Dec 2019 12:49

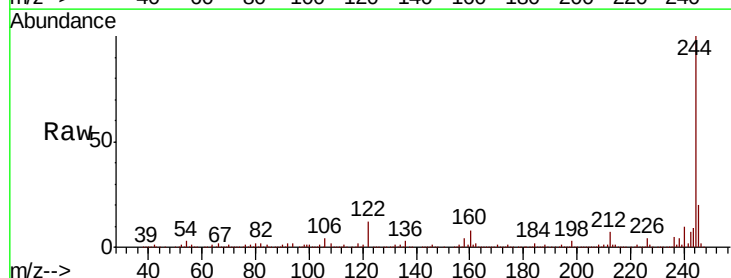
Tgt Ion:184 Resp: 29812

Ion Ratio Lower Upper

184 100

185 16.4 12.3 18.5

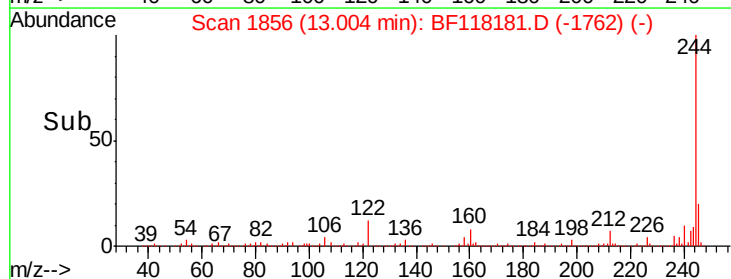
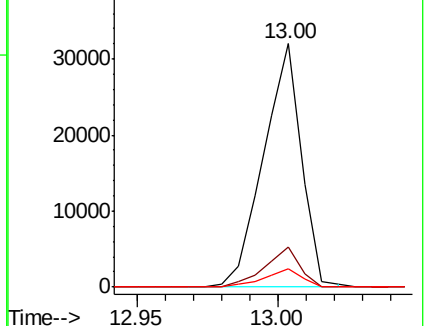
183 7.6 9.9 14.9#

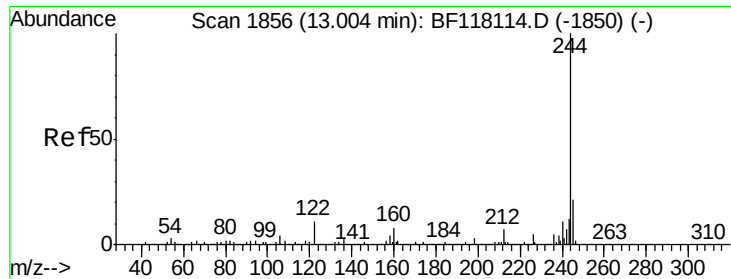


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 89.466 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF118181.D

Acq: 13 Dec 2019 12:49

Instrument :

BNA_F

ClientSampled :

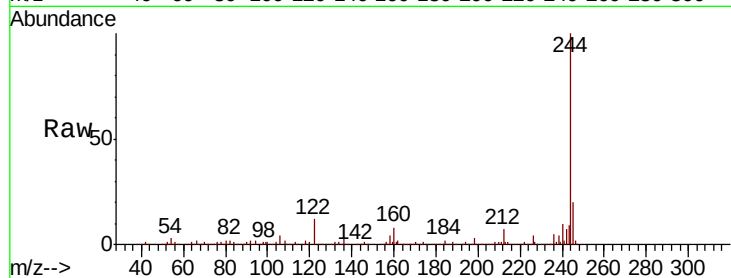
Tot Ion:244 Resp: 2112584

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

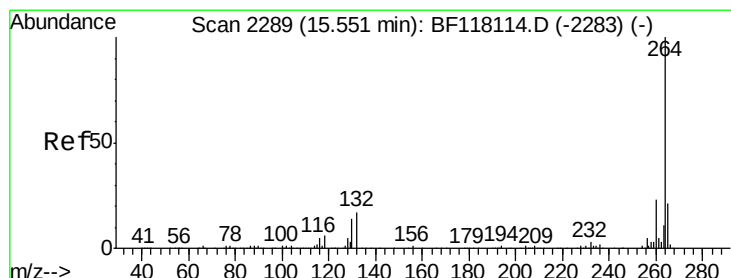
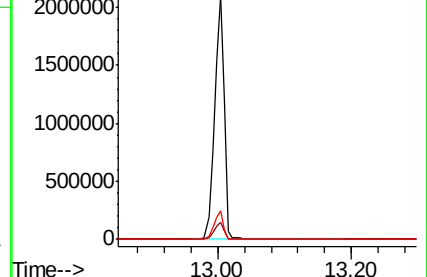
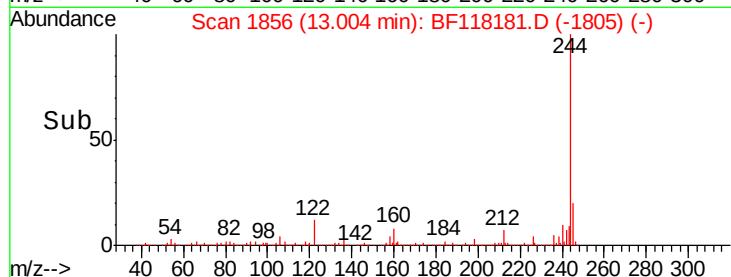
122 11.8 9.0 13.6



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

Perylene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BF118181.D

Acq: 13 Dec 2019 12:49

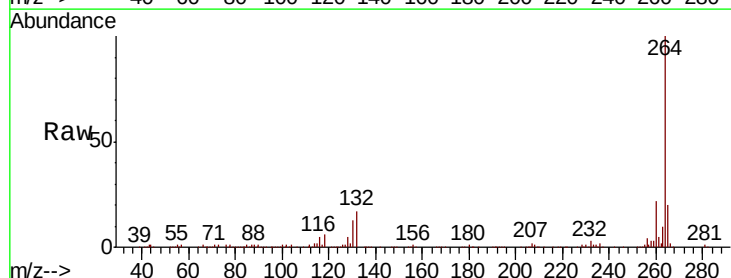
Tgt Ion:264 Resp: 349790

Ion Ratio Lower Upper

264 100

260 22.4 18.6 28.0

265 20.4 16.8 25.2



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

