

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
 Data File : BF118211.D
 Acq On : 16 Dec 2019 22:07
 Operator : JU
 Sample : K6118-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 17 01:08:04 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

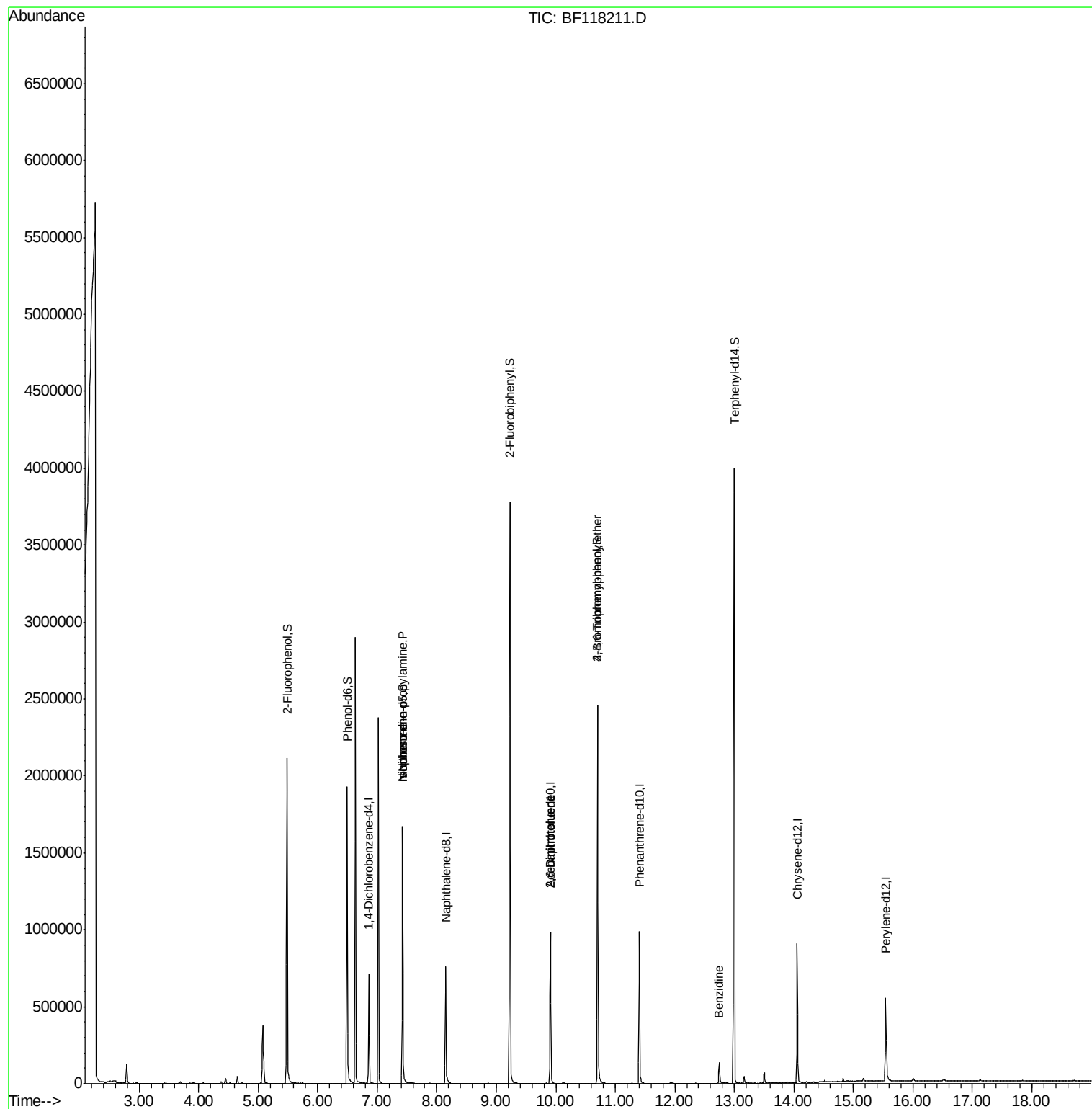
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	96534	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	374880	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	200982	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	385796	20.00	ng	0.00
76) Chrysene-d12	14.06	240	303436	20.00	ng	-0.01
87) Perylene-d12	15.54	264	288750	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	635303	115.27	ng	0.00
7) Phenol-d6	6.49	99	708607	106.29	ng	0.00
23) Nitrobenzene-d5	7.43	82	517990	77.73	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	309943	126.94	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1075352	81.42	ng	-0.01
79) Terphenyl-d14	13.00	244	1473124	83.48	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	873	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.43	70	71013	17.530 ng	#	76
25) Isophorone	7.43	82	513816	45.486 ng	#	62
51) 2,6-Dinitrotoluene	9.91	165	24676	7.644 ng	#	28
57) 2,4-Dinitrotoluene	9.91	165	24676	5.727 ng	#	26
67) 4-Bromophenyl-phenylether	10.70	248	19029	4.321 ng	#	1
77) Benizidine	12.74	184	66820	8.365 ng		99

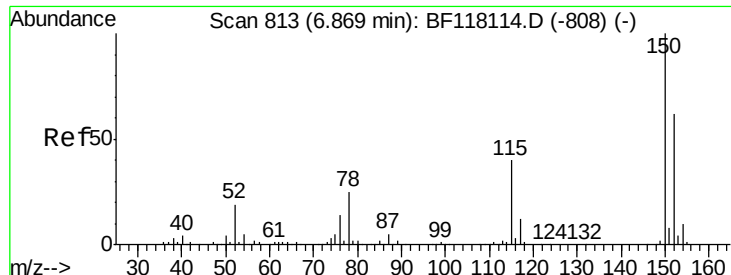
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
Data File : BF118211.D
Acq On : 16 Dec 2019 22:07
Operator : JU
Sample : K6118-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 17 01:08:04 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



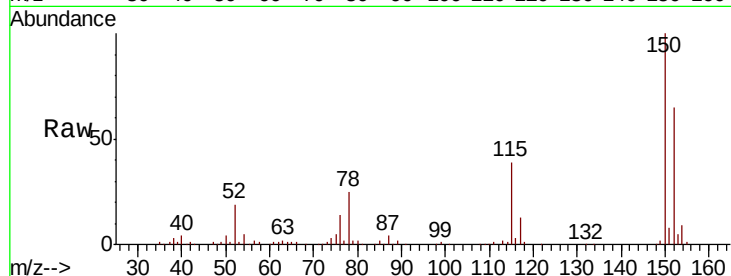


#1

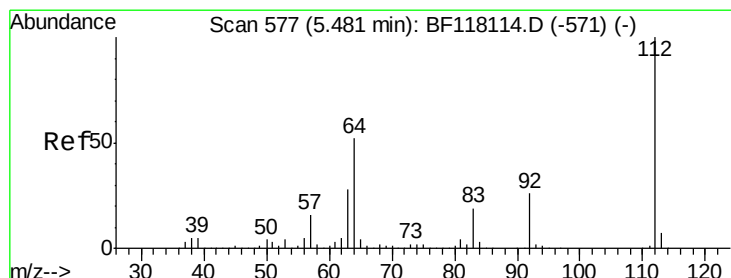
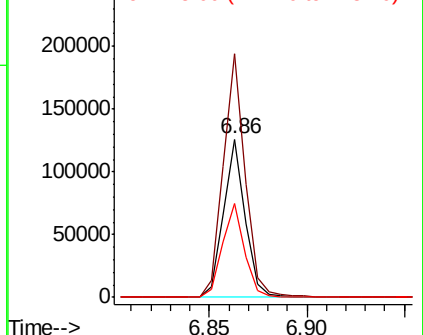
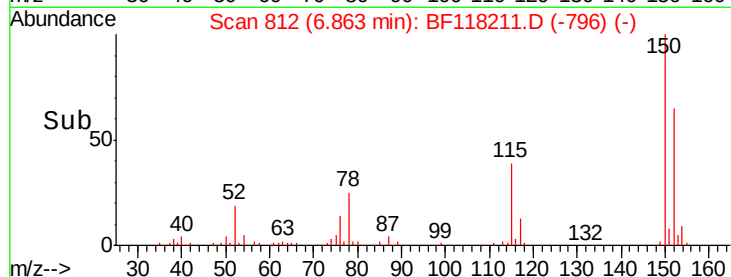
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118211.D
Acq: 16 Dec 2019 22:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 96534
Ion Ratio Lower Upper
152 100
150 154.1 128.3 192.5
115 59.3 51.1 76.7



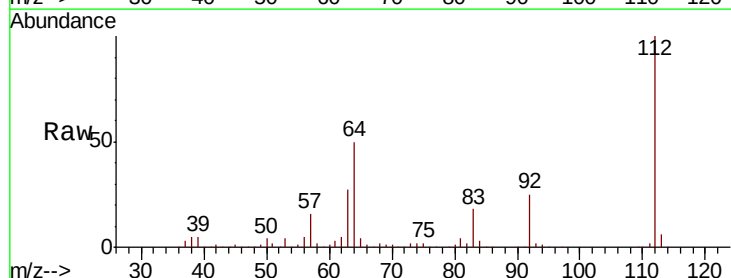
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



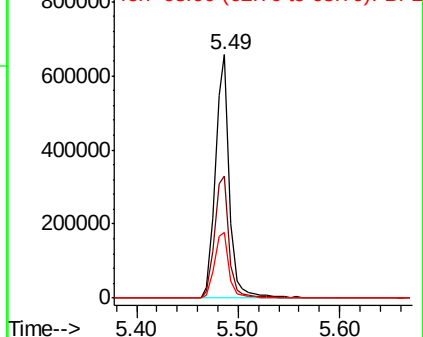
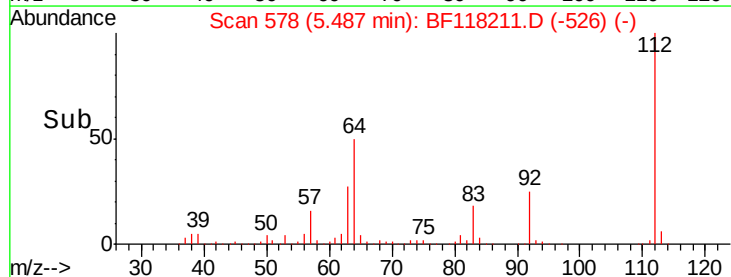
#5

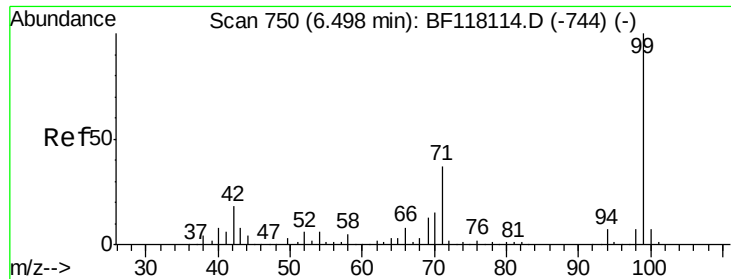
2-Fluorophenol
Concen: 115.266 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118211.D
Acq: 16 Dec 2019 22:07

Tgt Ion:112 Resp: 635303
Ion Ratio Lower Upper
112 100
64 50.1 41.3 61.9
63 27.2 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: 106.294 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118211.D

Acq: 16 Dec 2019 22:07

Instrument :

BNA_F

ClientSampled :

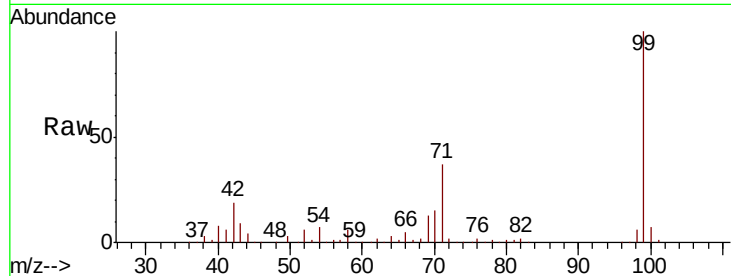
Tot Ion: 99 Resp: 708607

Ion Ratio Lower Upper

99 100

42 18.6 14.1 21.1

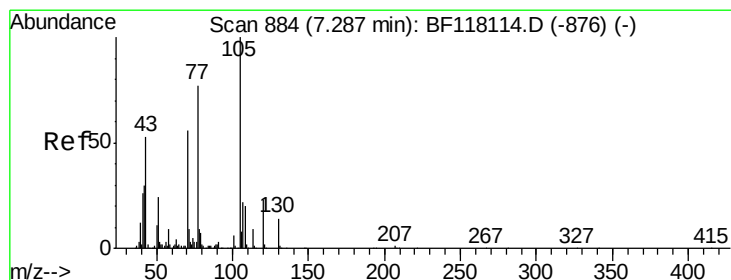
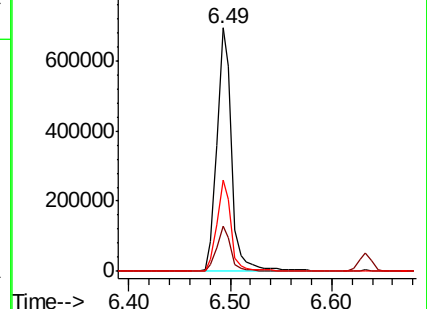
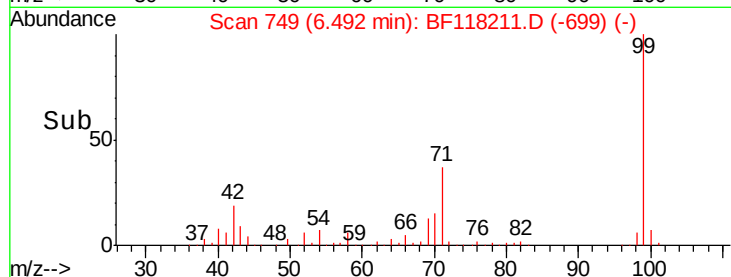
71 37.4 29.7 44.5



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: 17.530 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF118211.D

Acq: 16 Dec 2019 22:07

Tgt Ion: 70 Resp: 71013

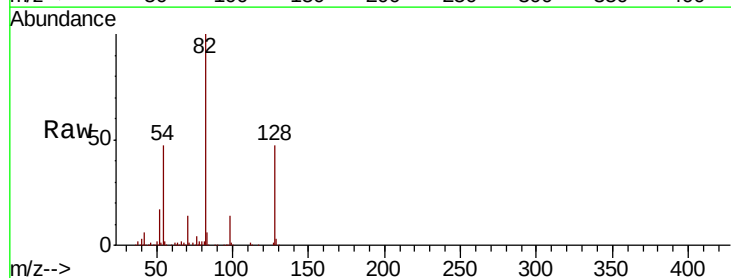
Ion Ratio Lower Upper

70 100

42 44.3 43.2 64.8

101 0.0 8.1 12.1#

130 2.2 19.8 29.8#

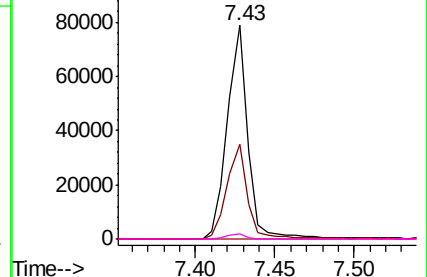
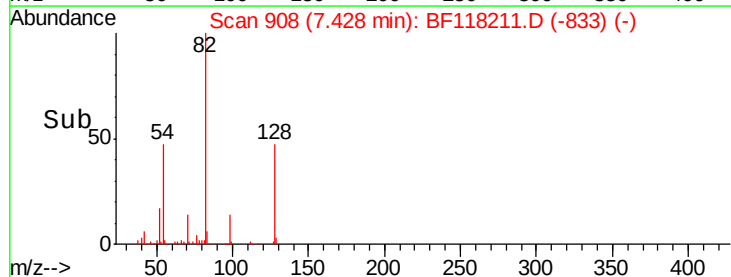


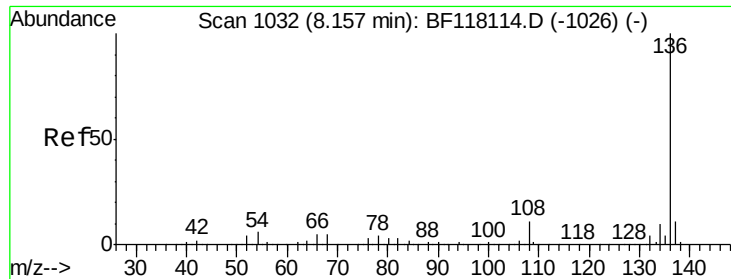
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

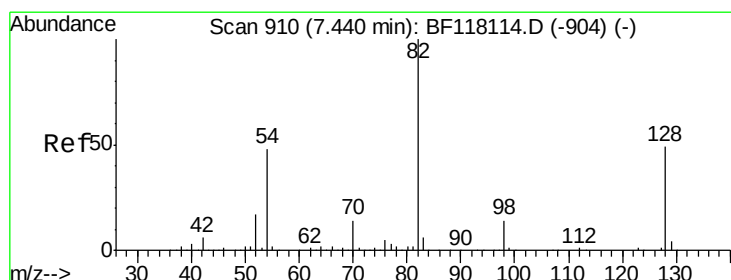
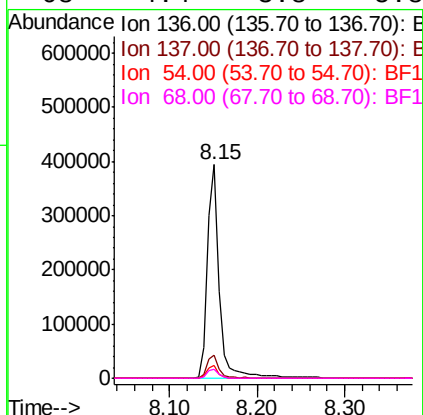
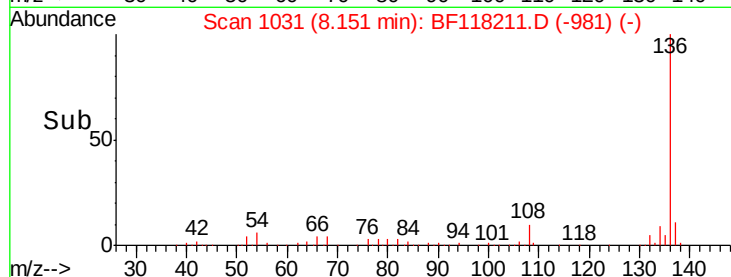
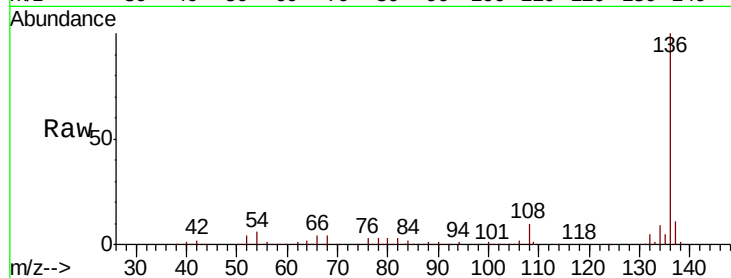




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118211.D
Acq: 16 Dec 2019 22:07

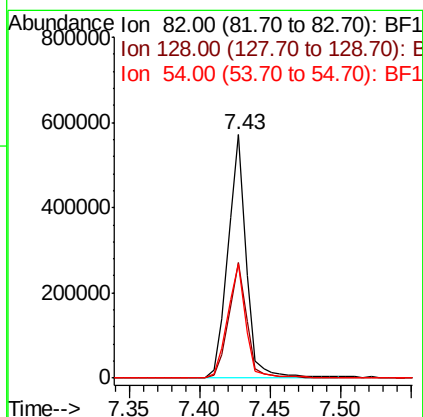
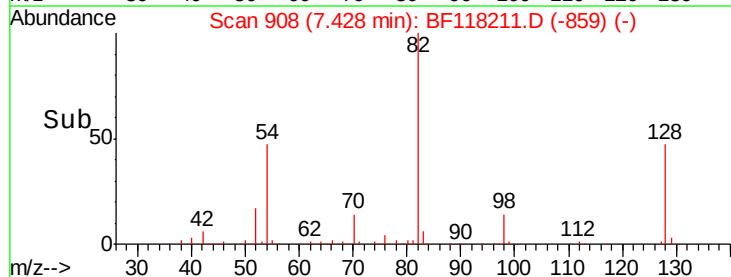
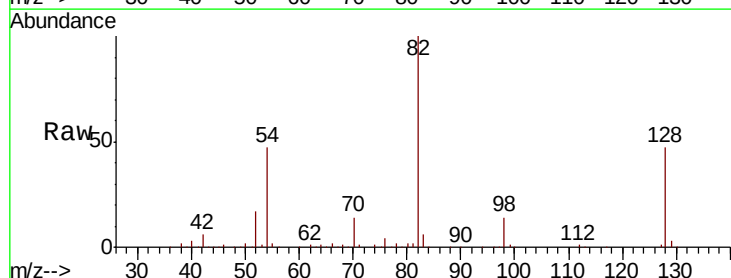
Instrument :
BNA_F
ClientSampleId :

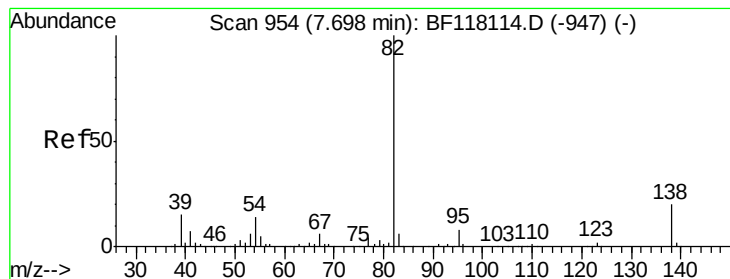
Tot Ion:136	Resp:	374880
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.0 13.6
54	5.8	5.0 7.6
68	4.4	3.8 5.8



#23
Nitrobenzene-d5
Concen: 77.734 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118211.D
Acq: 16 Dec 2019 22:07

Tgt Ion: 82	Resp:	517990
Ion Ratio	Lower	Upper
82	100	
128	47.3	39.1 58.7
54	46.9	38.2 57.2





#25

Isophorone

Concen: 45.486 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.27 min

Lab File: BF118211.D

Acq: 16 Dec 2019 22:07

Instrument :

BNA_F

ClientSampleId :

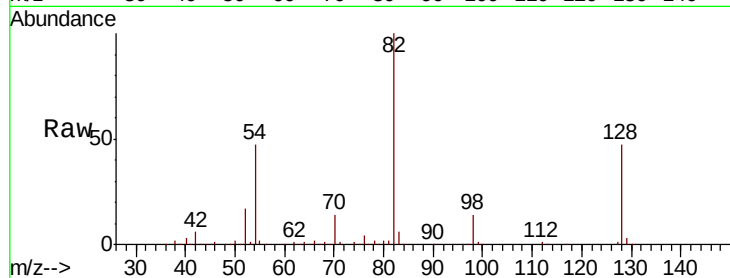
Tot Ion: 82 Resp: 513816

Ion Ratio Lower Upper

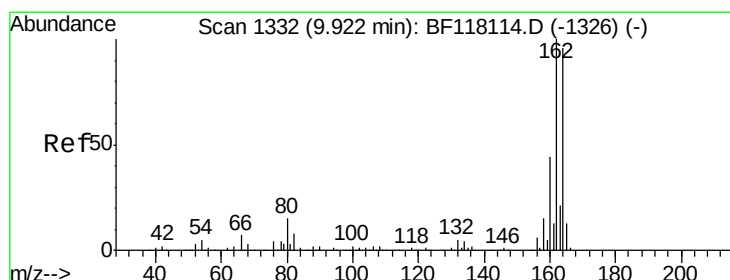
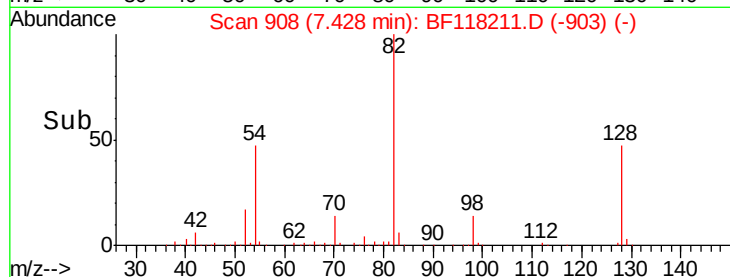
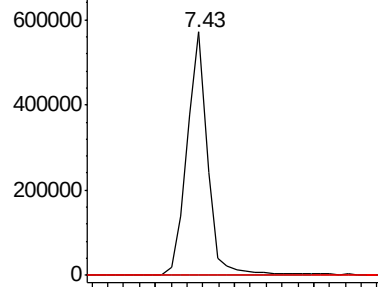
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118211.D

Acq: 16 Dec 2019 22:07

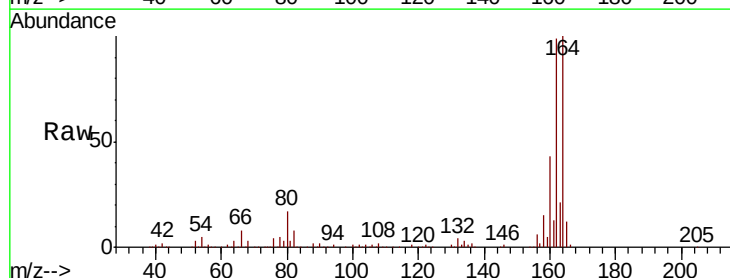
Tgt Ion:164 Resp: 200982

Ion Ratio Lower Upper

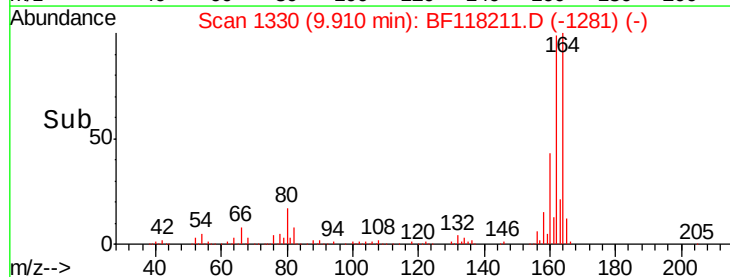
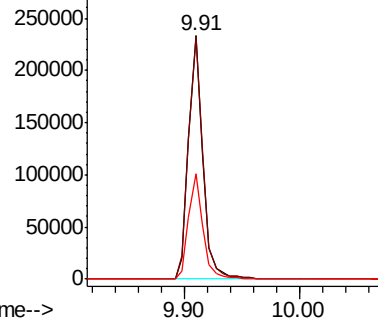
164 100

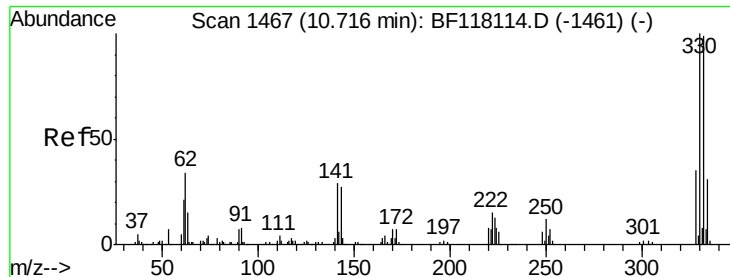
162 99.4 83.4 125.0

160 43.4 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: 126.944 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118211.D

Acq: 16 Dec 2019 22:07

Instrument :

BNA_F

ClientSampleId :

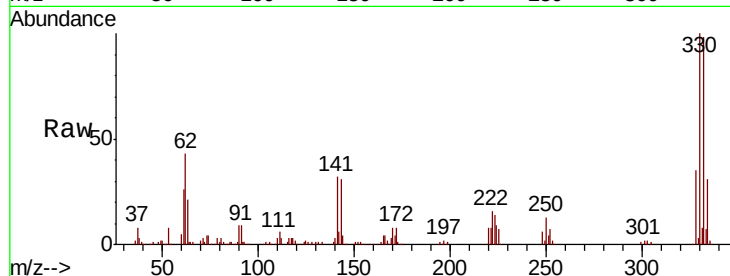
Tot Ion:330 Resp: 309943

Ion Ratio Lower Upper

330 100

332 97.8 78.1 117.1

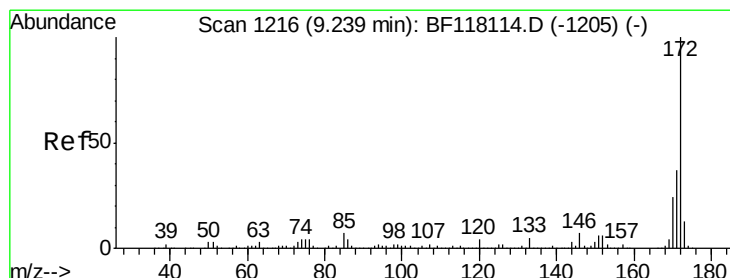
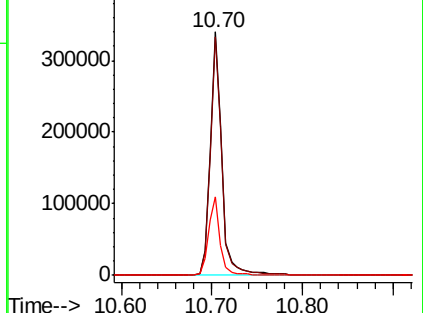
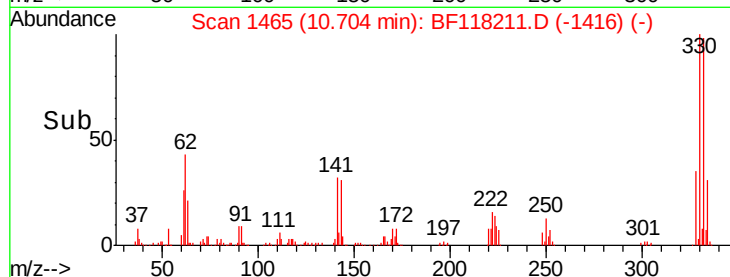
141 32.3 26.9 40.3



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: 81.415 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF118211.D

Acq: 16 Dec 2019 22:07

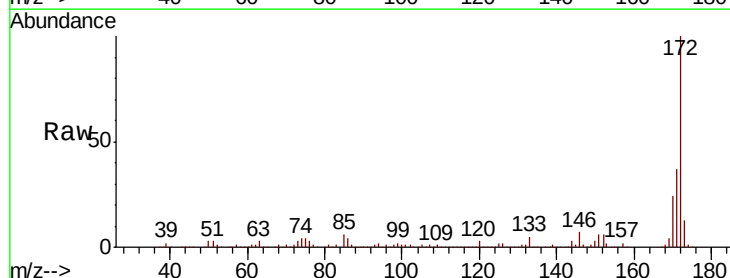
Tgt Ion:172 Resp: 1075352

Ion Ratio Lower Upper

172 100

171 36.9 29.2 43.8

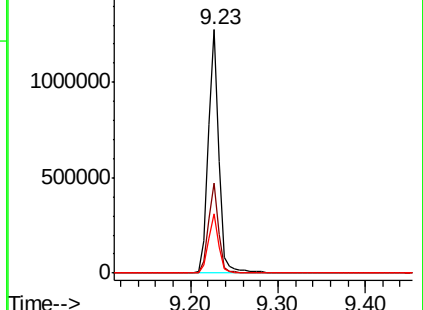
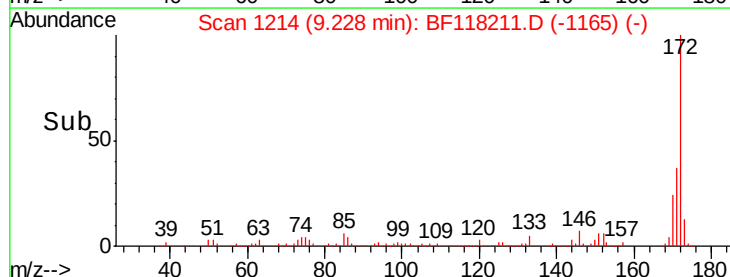
170 24.2 19.4 29.2

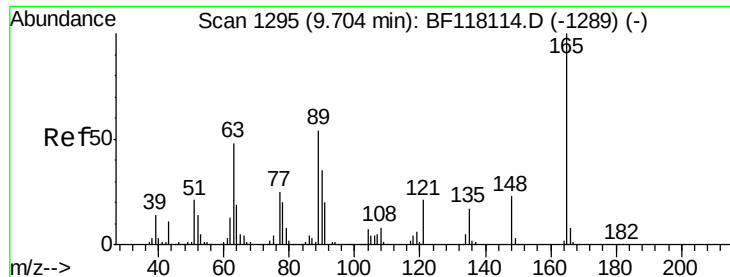


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.644 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF118211.D

Acq: 16 Dec 2019 22:07

Instrument :

BNA_F

ClientSampleId :

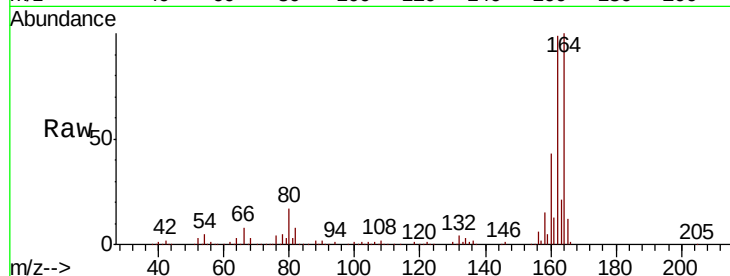
Tot Ion:165 Resp: 24676

Ion Ratio Lower Upper

165 100

63 1.8 41.4 62.0#

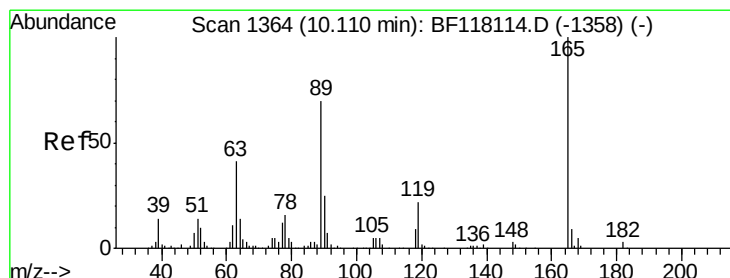
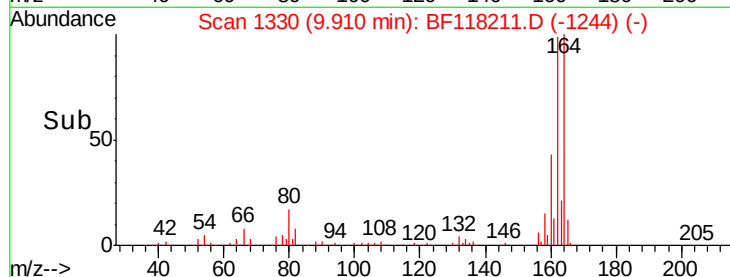
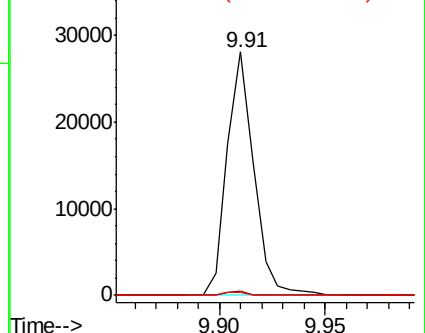
89 1.4 42.9 64.3#



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: 5.727 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.20 min

Lab File: BF118211.D

Acq: 16 Dec 2019 22:07

Tgt Ion:165 Resp: 24676

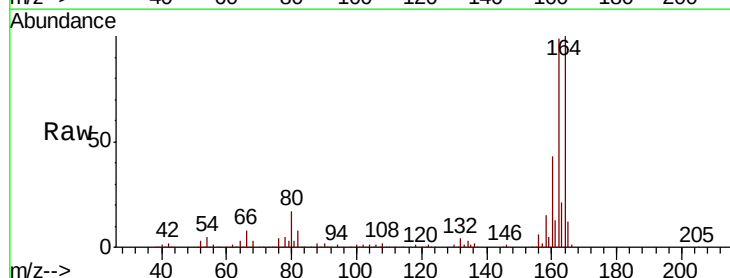
Ion Ratio Lower Upper

165 100

63 1.8 32.6 49.0#

89 1.4 56.1 84.1#

182 0.0 2.1 3.1#

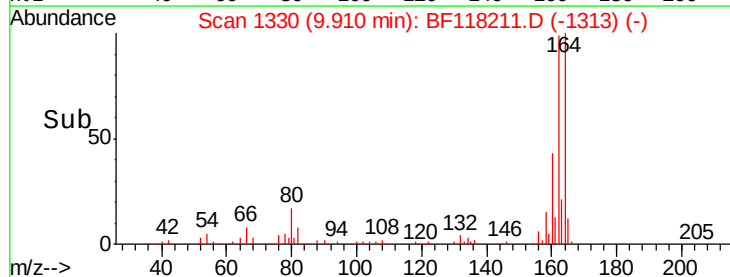
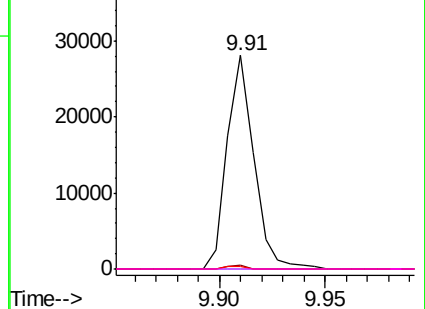


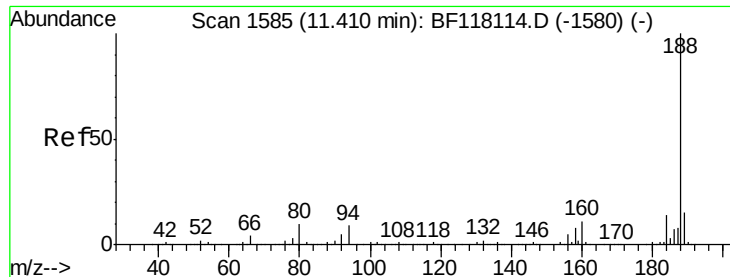
Abundance Ion 165.00 (164.70 to 165.70): E

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

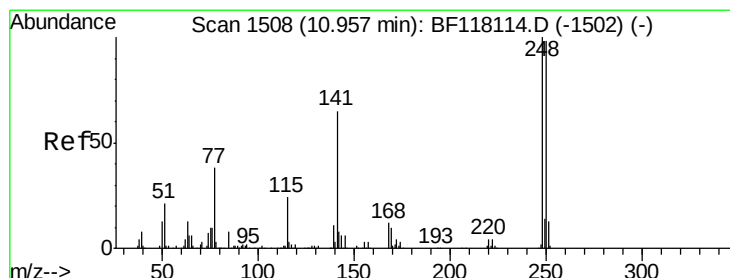
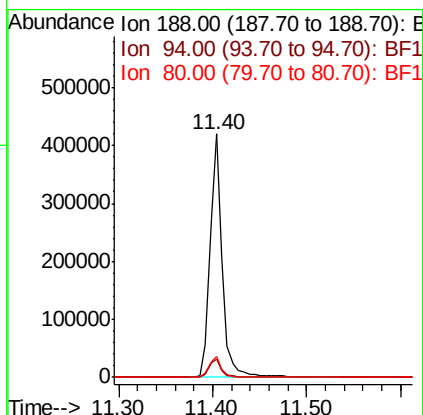
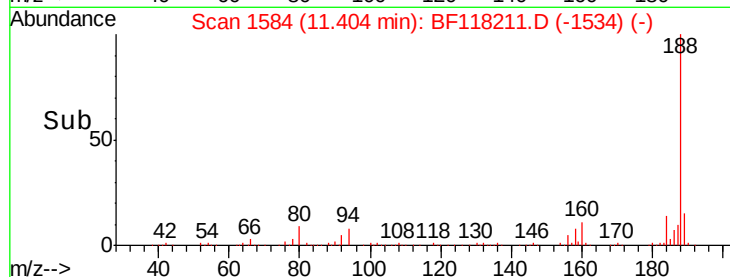
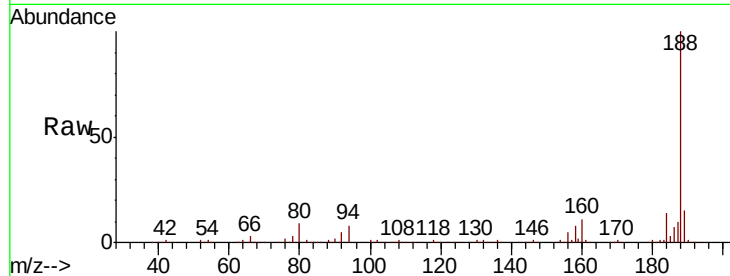




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118211.D
 Acq: 16 Dec 2019 22:07

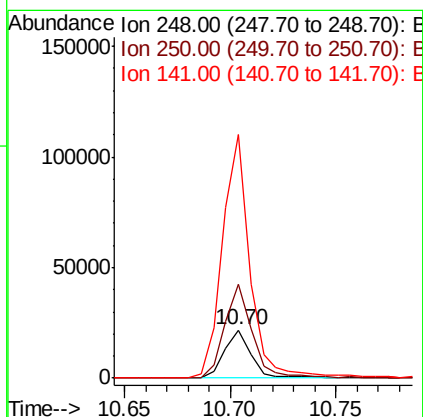
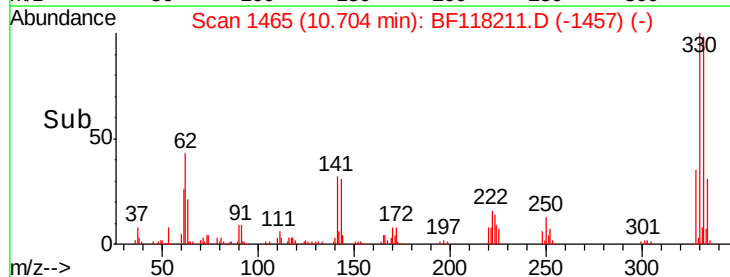
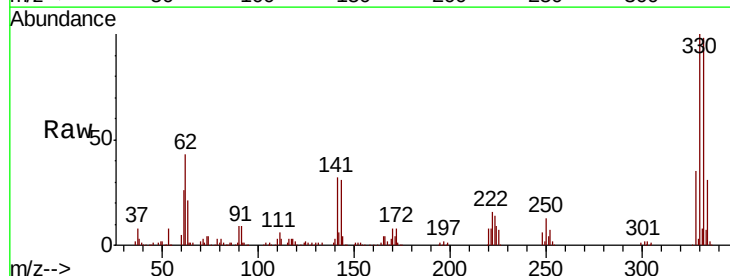
Instrument :
 BNA_F
 ClientSampleId :

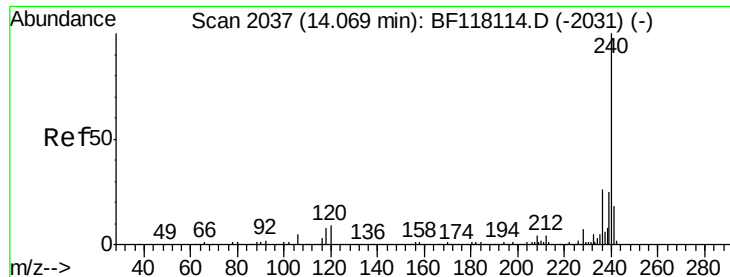
Tot Ion:188 Resp: 385796
 Ion Ratio Lower Upper
 188 100
 94 7.7 7.1 10.7
 80 8.5 7.9 11.9



#67
 4-Bromophenyl-phenylether
 Concen: 4.321 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF118211.D
 Acq: 16 Dec 2019 22:07

Tgt Ion:248 Resp: 19029
 Ion Ratio Lower Upper
 248 100
 250 195.4 78.3 117.5#
 141 505.2 52.2 78.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF118211.D

Acq: 16 Dec 2019 22:07

Instrument :

BNA_F

ClientSampleId :

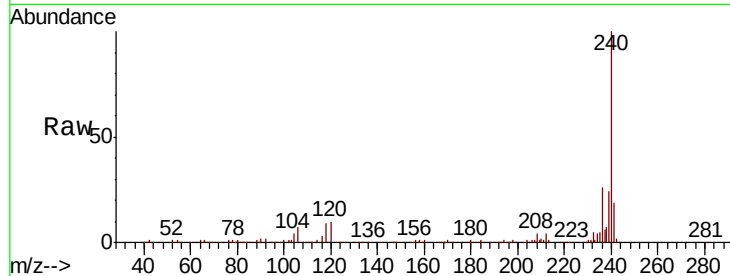
Tot Ion:240 Resp: 303436

Ion Ratio Lower Upper

240 100

120 10.3 7.1 10.7

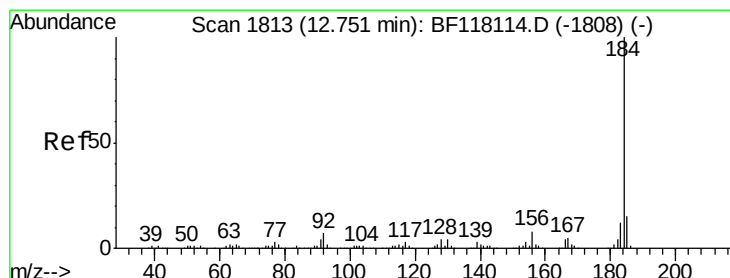
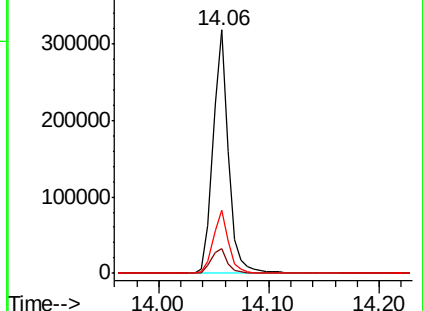
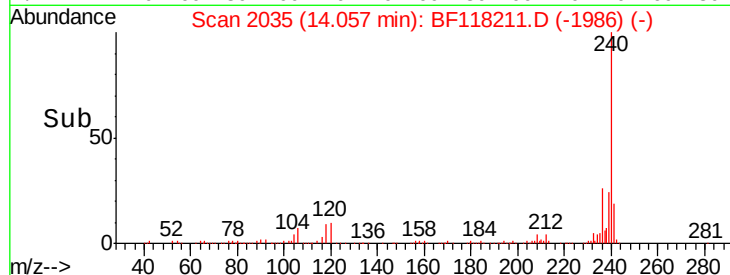
236 26.0 21.0 31.6



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: 8.365 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF118211.D

Acq: 16 Dec 2019 22:07

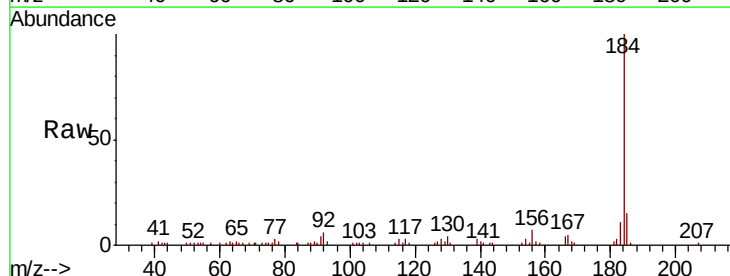
Tgt Ion:184 Resp: 66820

Ion Ratio Lower Upper

184 100

185 15.4 12.3 18.5

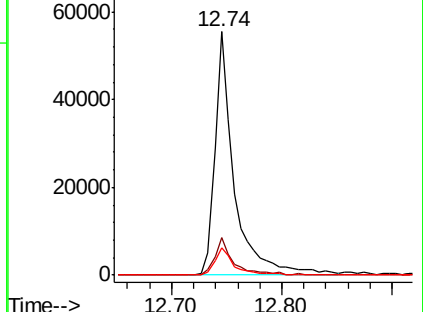
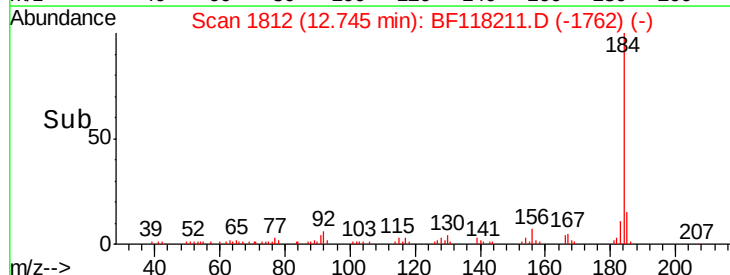
183 11.2 9.9 14.9

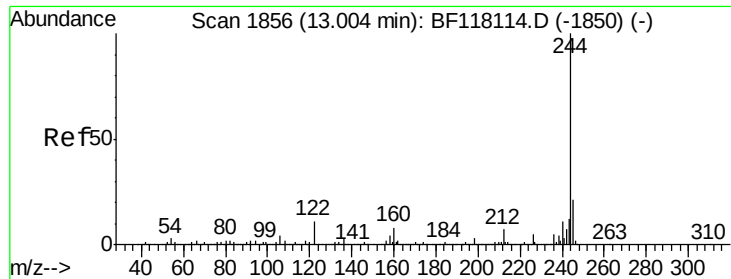


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 83.485 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF118211.D

Acq: 16 Dec 2019 22:07

Instrument :

BNA_F

ClientSampleId :

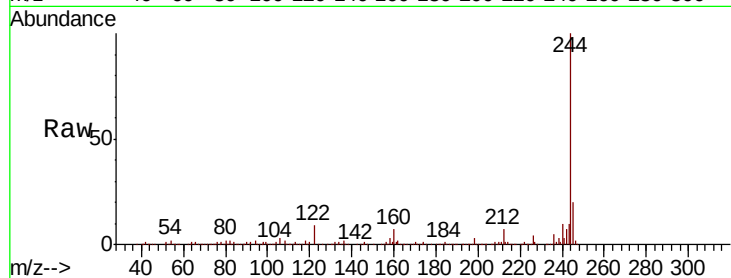
Tot Ion:244 Resp: 1473124

Ion Ratio Lower Upper

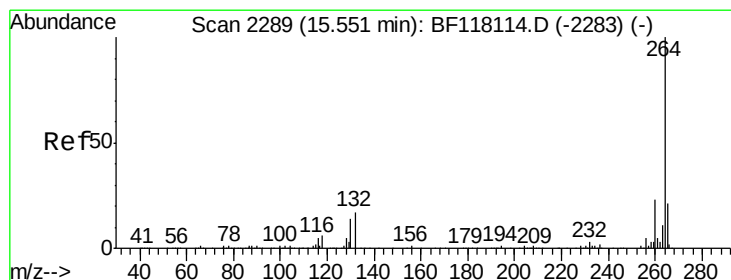
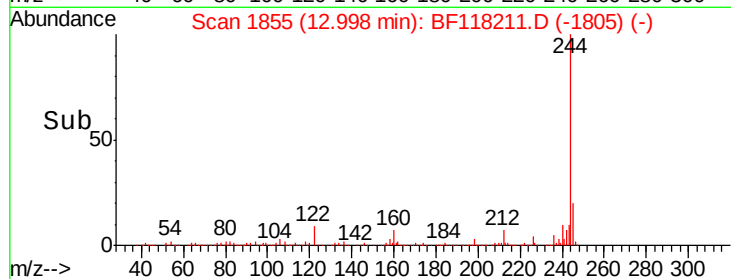
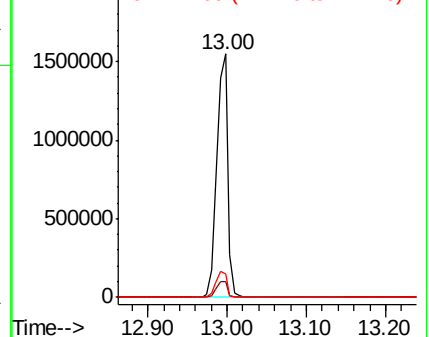
244 100

212 6.7 5.9 8.9

122 9.4 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: 15.54 min Scan# 2288

Delta R.T. -0.01 min

Lab File: BF118211.D

Acq: 16 Dec 2019 22:07

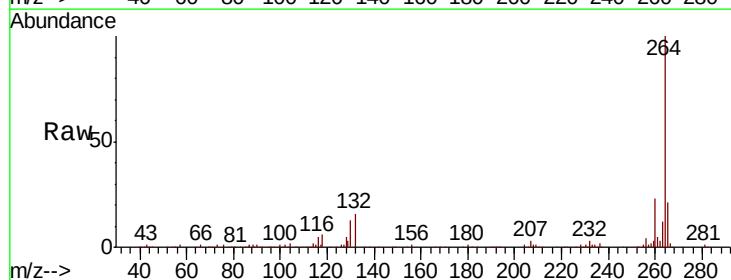
Tgt Ion:264 Resp: 288750

Ion Ratio Lower Upper

264 100

260 23.1 18.6 28.0

265 21.4 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

