

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
 Data File : BF118215.D
 Acq On : 16 Dec 2019 23:59
 Operator : JU
 Sample : K6217-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 17 01:08:32 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

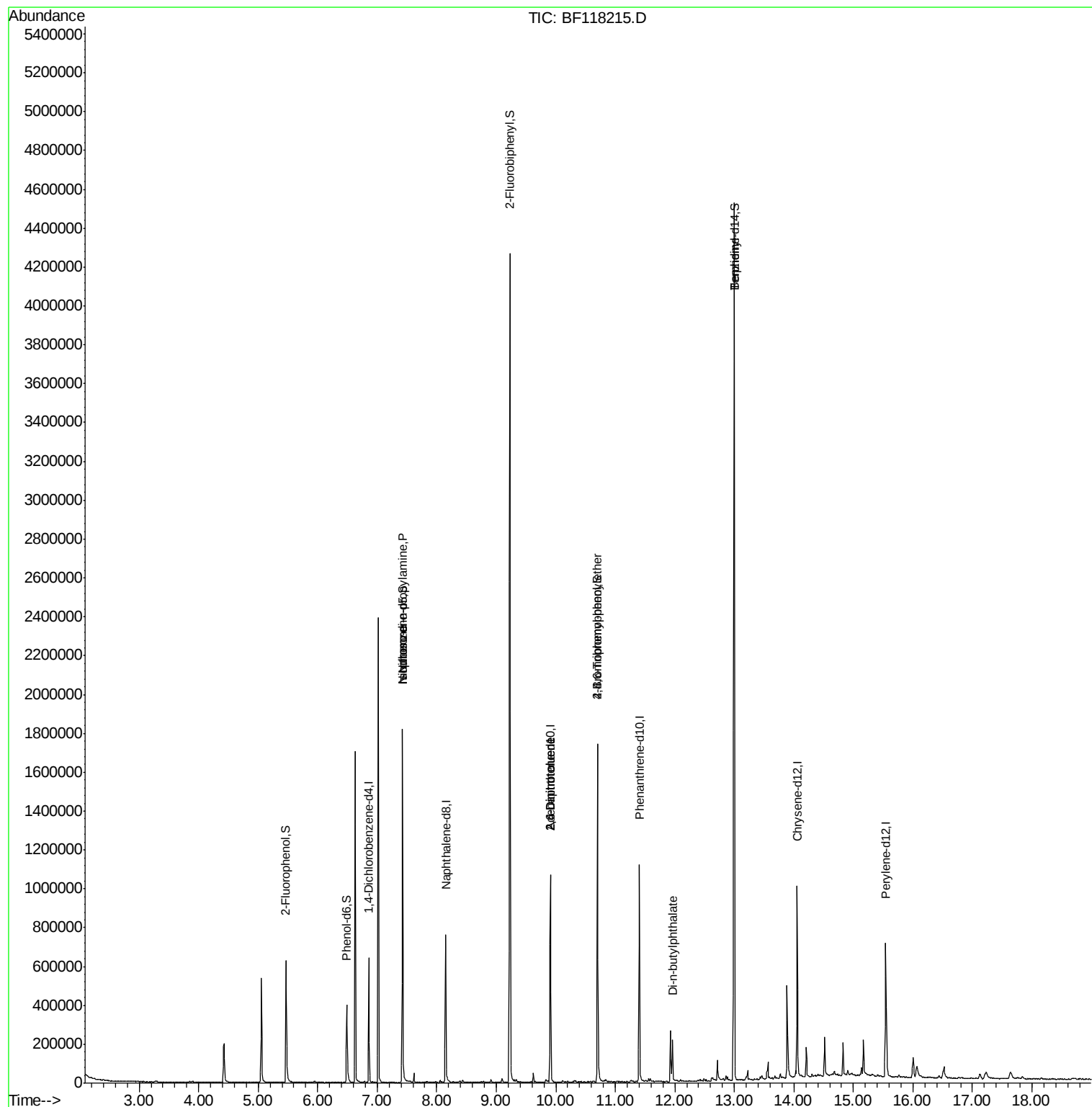
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	103562	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	390110	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	207805	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	413020	20.00	ng	0.00
76) Chrysene-d12	14.06	240	331672	20.00	ng	-0.01
87) Perylene-d12	15.54	264	327267	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	198613	33.59	ng	-0.01
7) Phenol-d6	6.49	99	153443	21.46	ng	-0.01
23) Nitrobenzene-d5	7.43	82	560463	80.82	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	223226	88.43	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1201459	87.98	ng	-0.01
79) Terphenyl-d14	13.00	244	1515105	78.55	ng	0.00
Target Compounds						
9) Benzaldehyde	6.63	77	9863	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	75715	17.422 ng	#	77
25) Isophorone	7.43	82	553657	47.099 ng	#	62
51) 2,6-Dinitrotoluene	9.91	165	26435	7.920 ng	#	28
57) 2,4-Dinitrotoluene	9.91	165	26435	5.934 ng	#	26
67) 4-Bromophenyl-phenylether	10.70	248	13844	2.936 ng	#	1
74) Di-n-butylphthalate	11.96	149	98726	4.014 ng		98
77) Benzydine	13.00	184	21183	2.426 ng		94

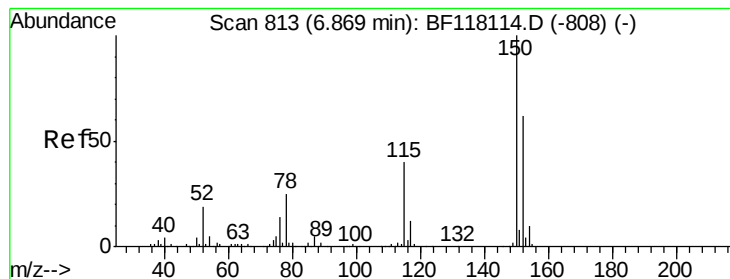
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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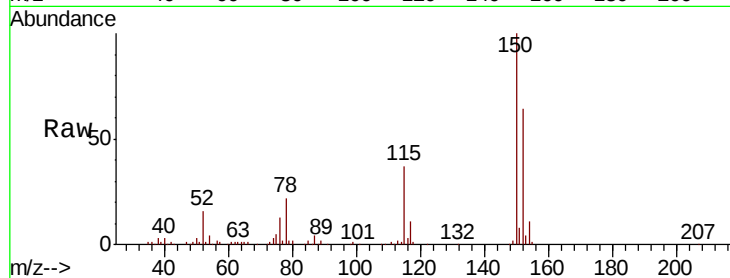


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118215.D
Acq: 16 Dec 2019 23:59

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	128.3	192.5
115	58.2	51.1	76.7

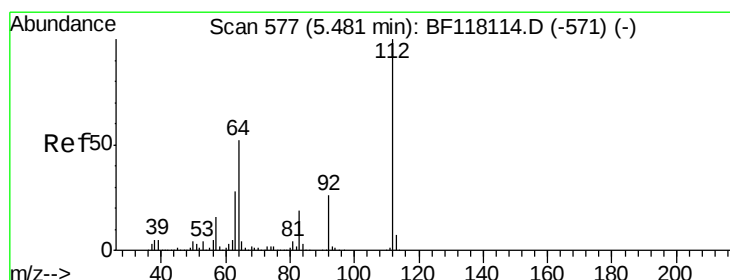
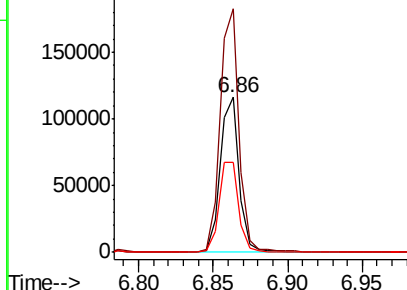
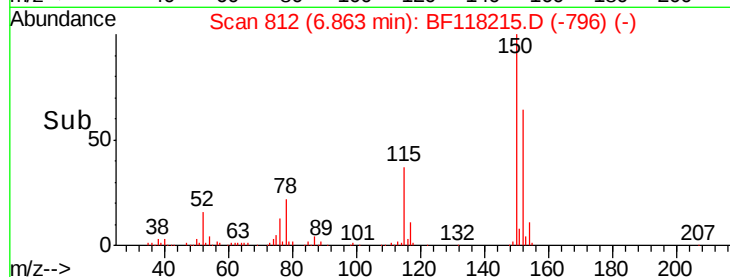


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

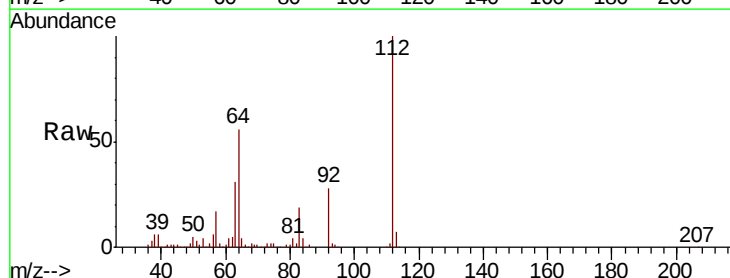
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 33.590 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF118215.D
Acq: 16 Dec 2019 23:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	41.3	61.9
63	31.1	22.4	33.6

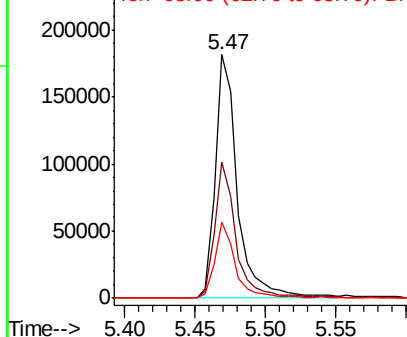
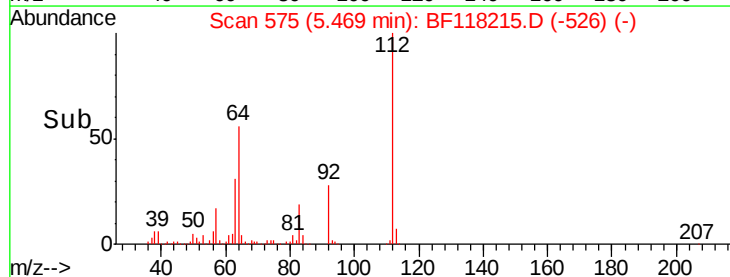


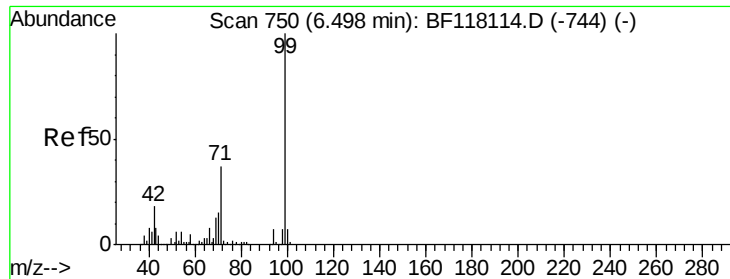
Abundance

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: 21.455 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF118215.D

Acq: 16 Dec 2019 23:59

Instrument :

BNA_F

ClientSampleId :

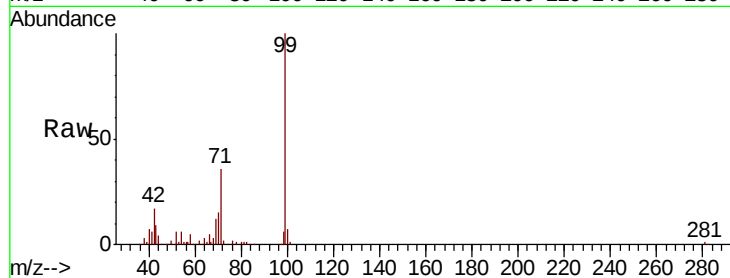
Tot Ion: 99 Resp: 153443

Ion Ratio Lower Upper

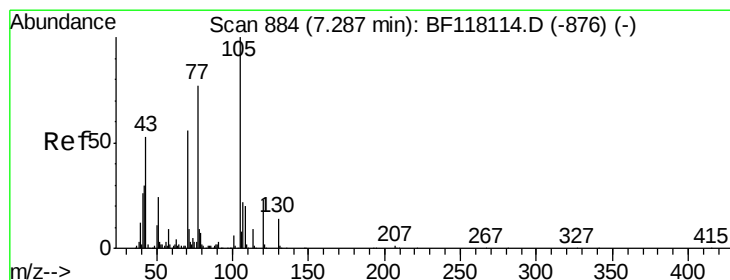
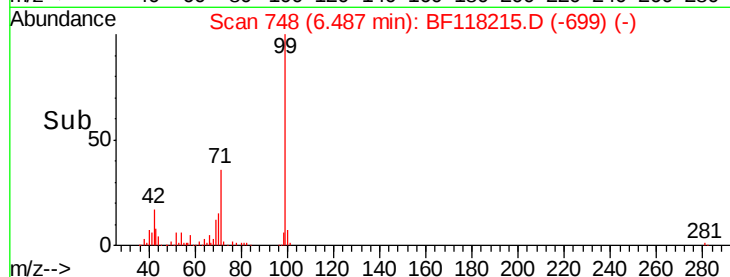
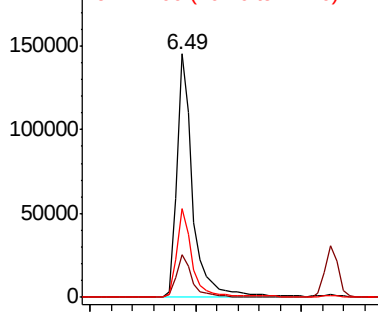
99 100

42 17.4 14.1 21.1

71 36.3 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: 17.422 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF118215.D

Acq: 16 Dec 2019 23:59

Tgt Ion: 70 Resp: 75715

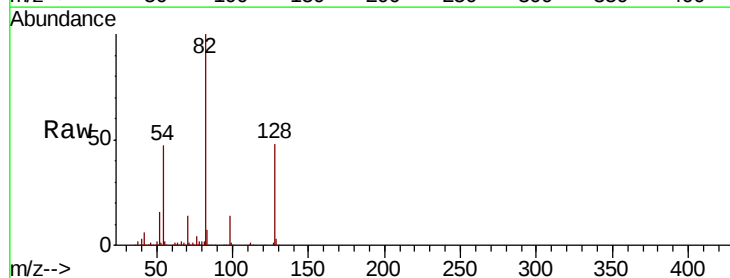
Ion Ratio Lower Upper

70 100

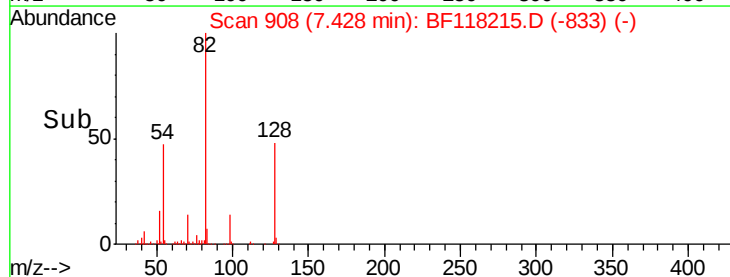
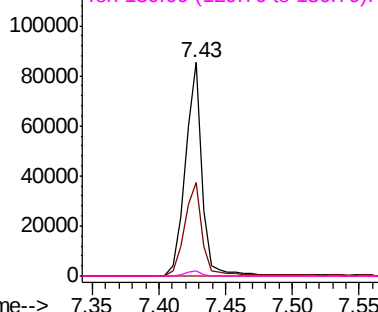
42 43.5 43.2 64.8

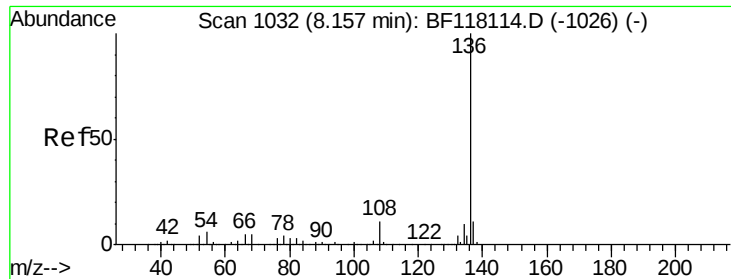
101 0.0 8.1 12.1#

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

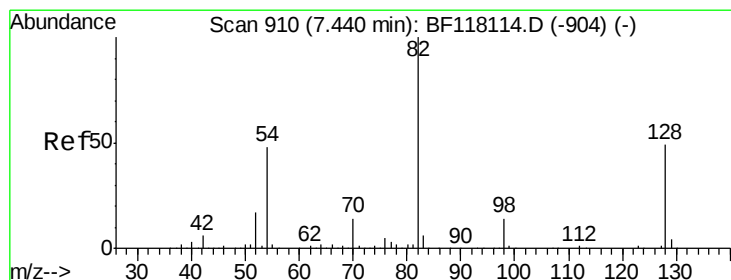
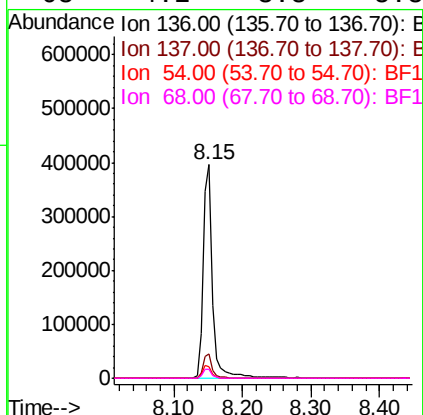
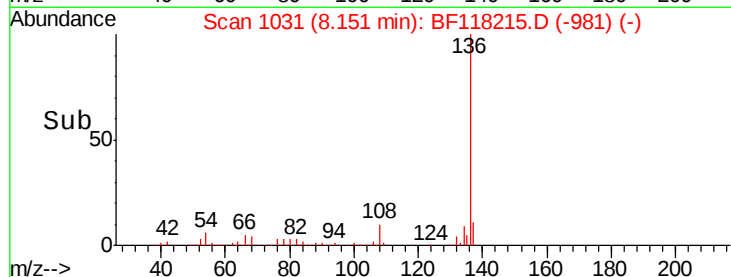
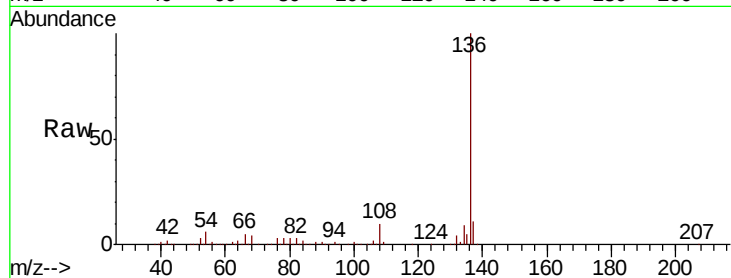




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118215.D
Acq: 16 Dec 2019 23:59

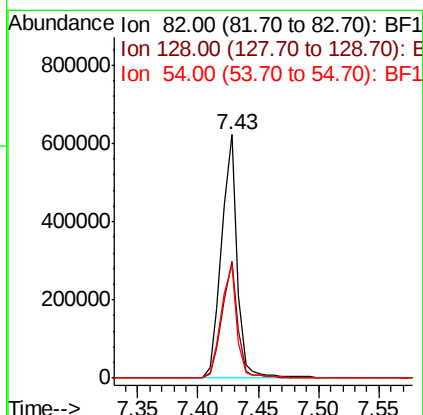
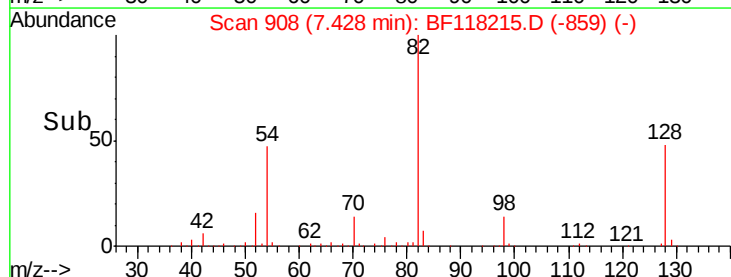
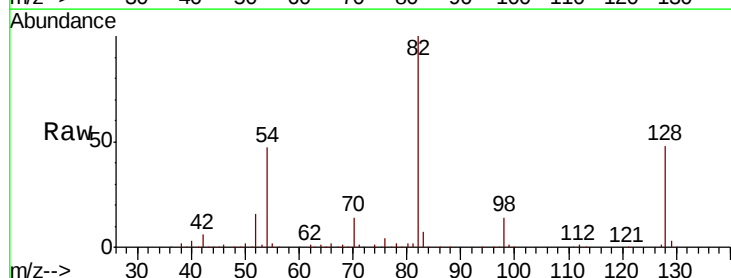
Instrument :
BNA_F
ClientSampleId :

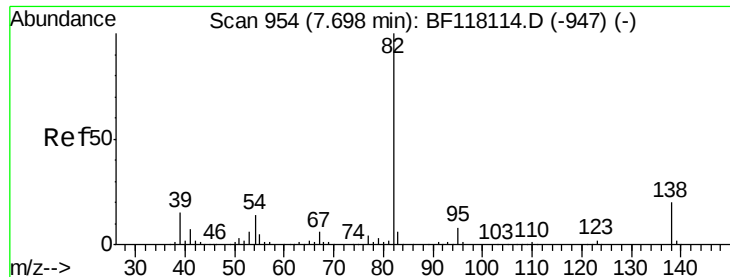
Tot Ion:136	Resp:	390110
Ion	Ratio	Lower Upper
136	100	
137	11.2	9.0 13.6
54	5.7	5.0 7.6
68	4.2	3.8 5.8



#23
Nitrobenzene-d5
Concen: 80.824 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118215.D
Acq: 16 Dec 2019 23:59

Tgt Ion: 82	Resp:	560463
Ion	Ratio	Lower Upper
82	100	
128	47.9	39.1 58.7
54	46.6	38.2 57.2





#25

Isophorone

Concen: 47.099 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.27 min

Lab File: BF118215.D

Acq: 16 Dec 2019 23:59

Instrument :

BNA_F

ClientSampleId :

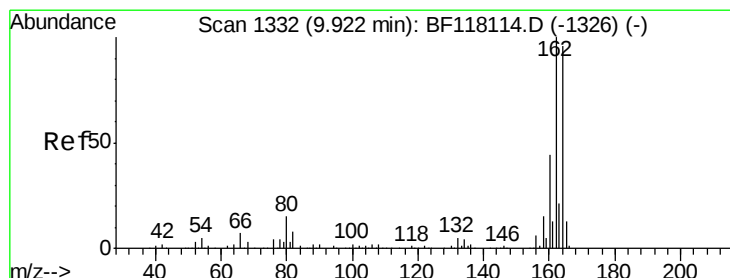
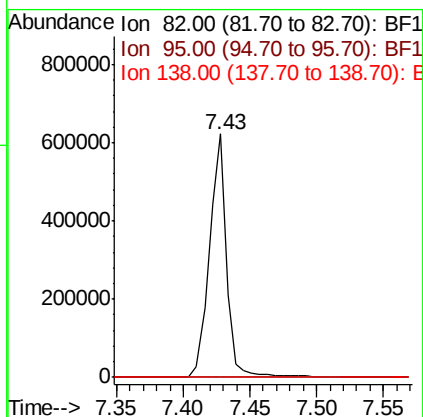
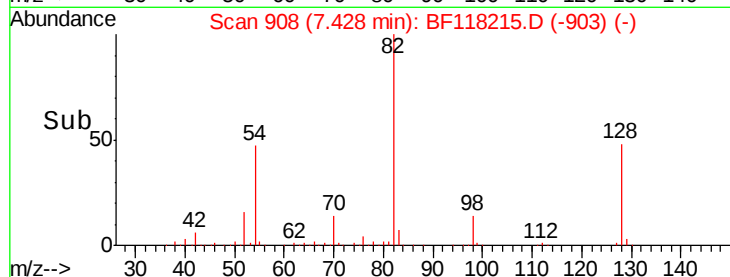
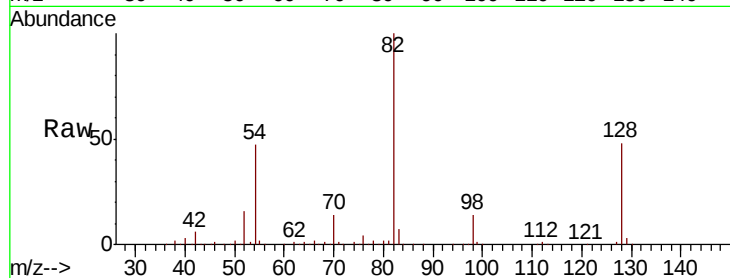
Tot Ion: 82 Resp: 553657

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

138 0.0 16.3 24.5#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118215.D

Acq: 16 Dec 2019 23:59

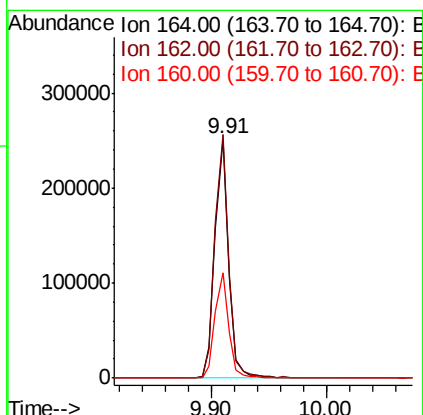
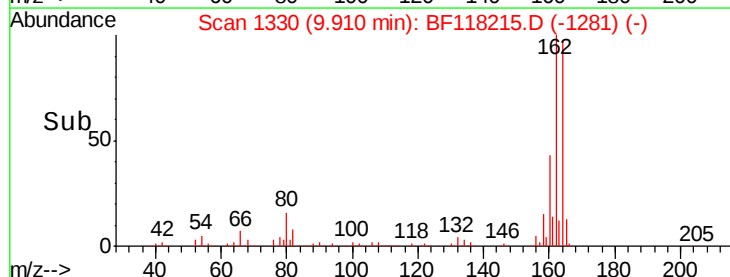
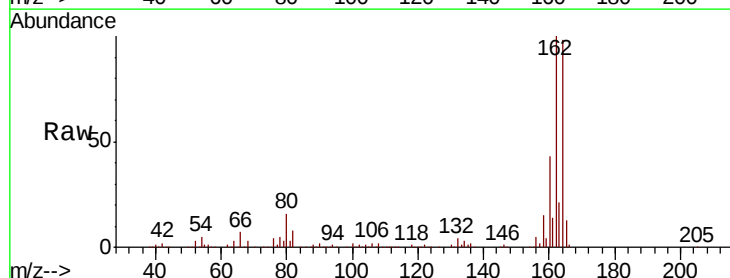
Tgt Ion:164 Resp: 207805

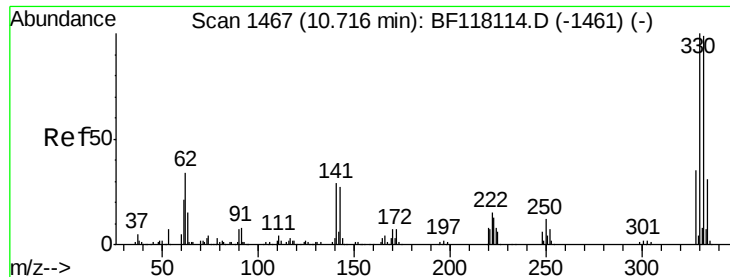
Ion Ratio Lower Upper

164 100

162 101.8 83.4 125.0

160 43.8 36.6 54.8

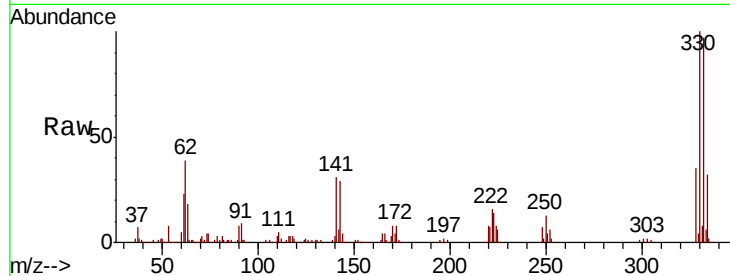




#42
 2,4,6-Tribromophenol
 Concen: 88.426 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118215.D
 Acq: 16 Dec 2019 23:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	78.1	117.1
141	33.6	26.9	40.3

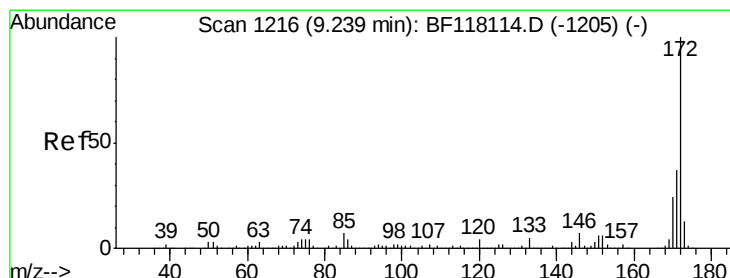
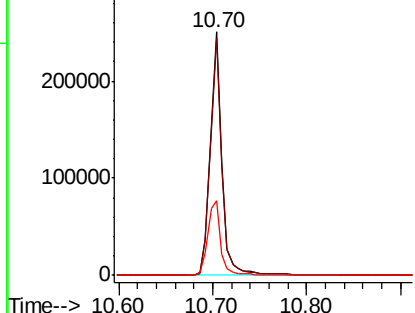
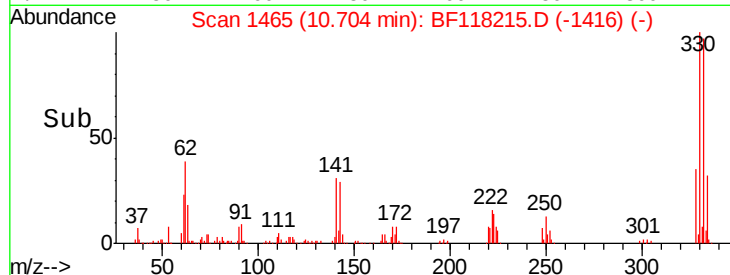


Abundance

Ion 329.80 (329.50 to 330.50): E

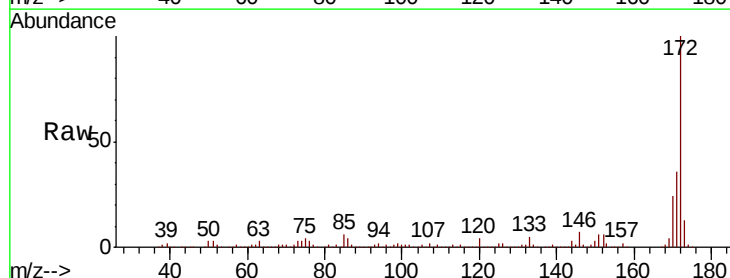
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 87.976 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF118215.D
 Acq: 16 Dec 2019 23:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.2	43.8
170	24.0	19.4	29.2

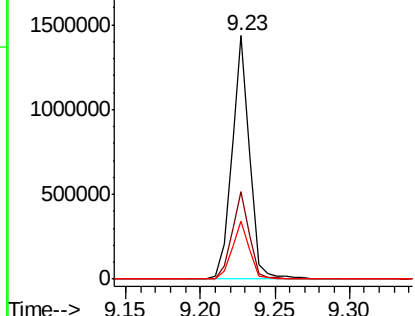
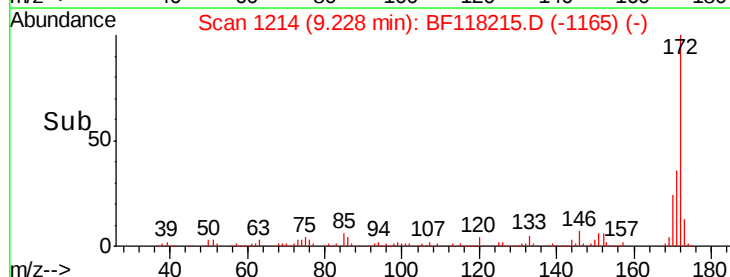


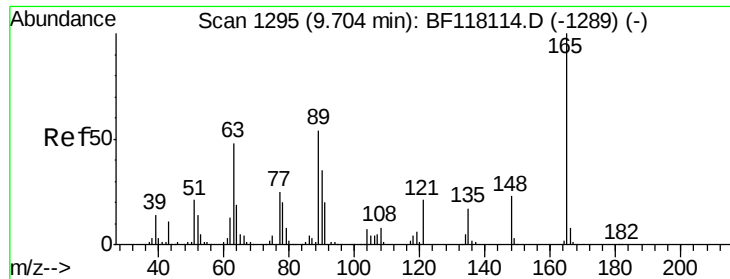
Abundance

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

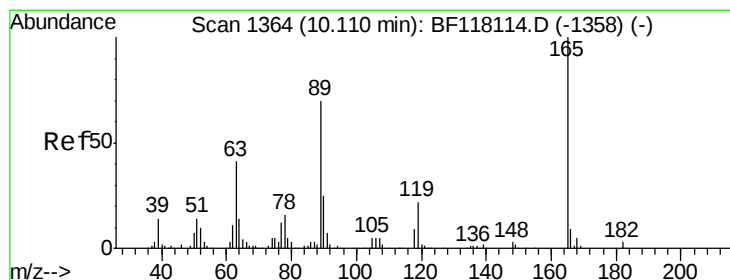
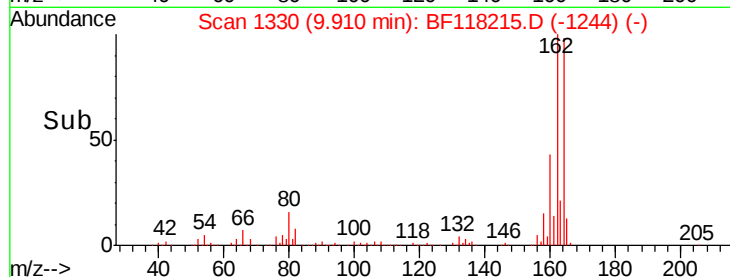
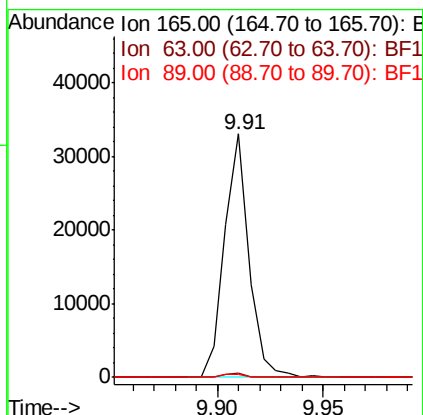
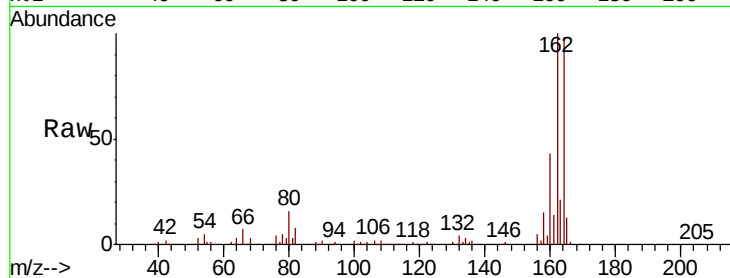




#51
 2,6-Dinitrotoluene
 Concen: 7.920 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF118215.D
 Acq: 16 Dec 2019 23:59

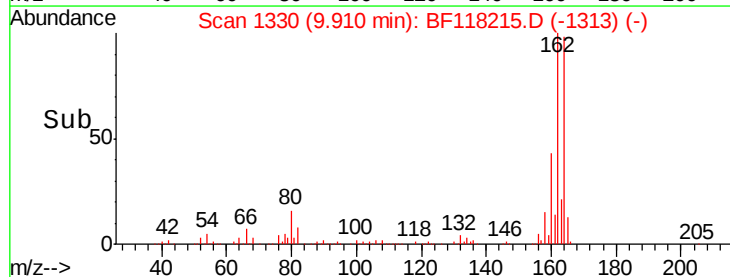
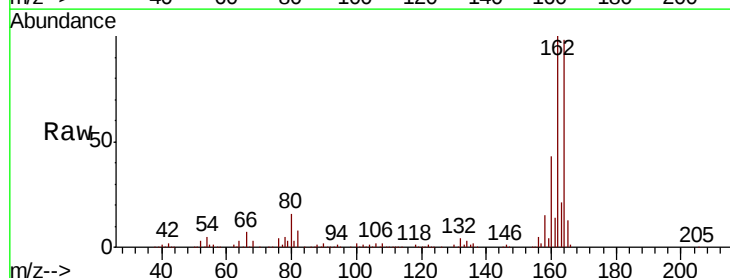
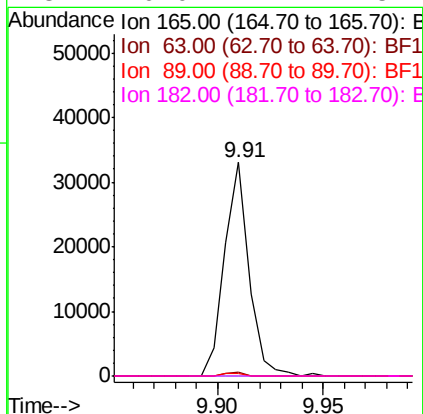
Instrument :
 BNA_F
 ClientSampleId :

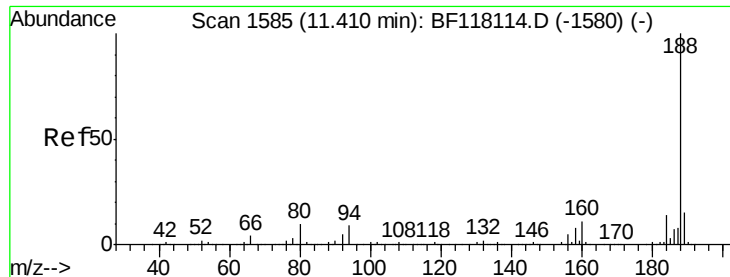
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	41.4	62.0#
89	1.4	42.9	64.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.934 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF118215.D
 Acq: 16 Dec 2019 23:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	32.6	49.0#
89	1.4	56.1	84.1#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF118215.D

Acq: 16 Dec 2019 23:59

Instrument :

BNA_F

ClientSampleId :

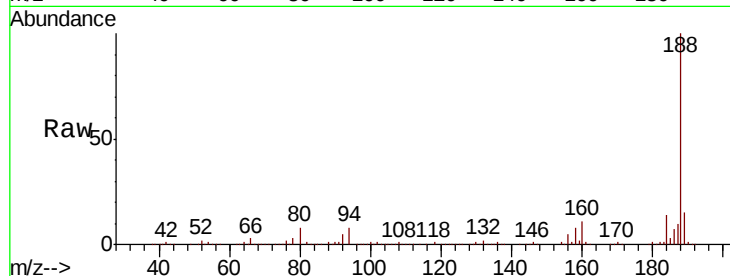
Tot Ion:188 Resp: 413020

Ion Ratio Lower Upper

188 100

94 7.7 7.1 10.7

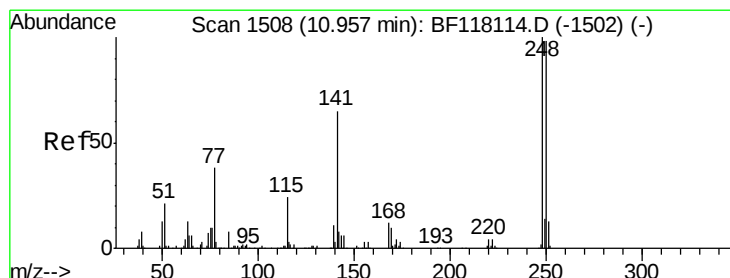
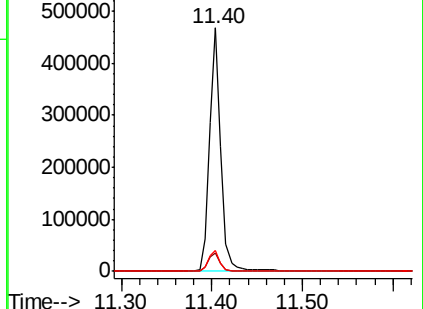
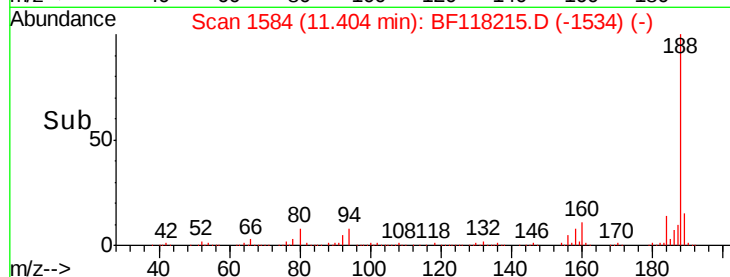
80 8.4 7.9 11.9



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: 2.936 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.25 min

Lab File: BF118215.D

Acq: 16 Dec 2019 23:59

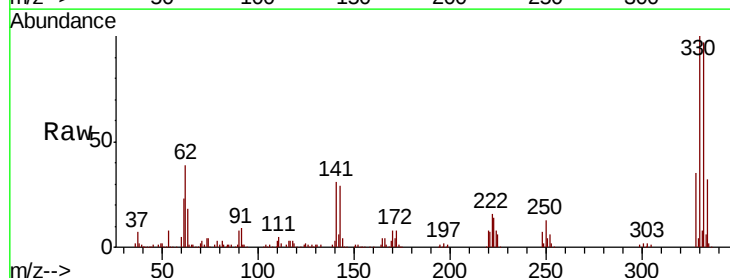
Tgt Ion:248 Resp: 13844

Ion Ratio Lower Upper

248 100

250 193.5 78.3 117.5#

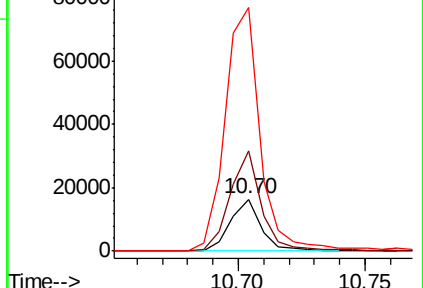
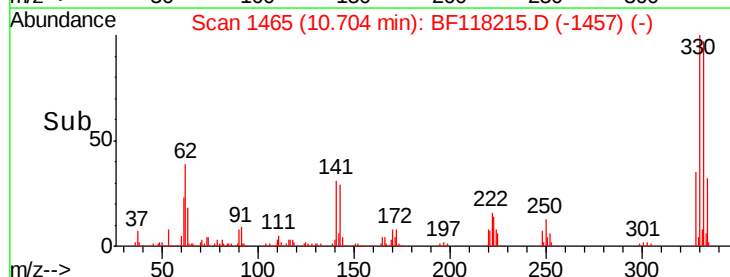
141 467.9 52.2 78.4#

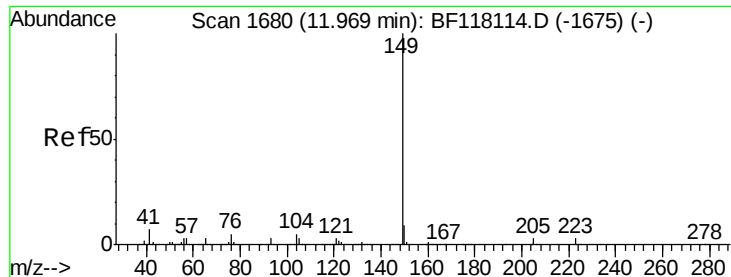


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

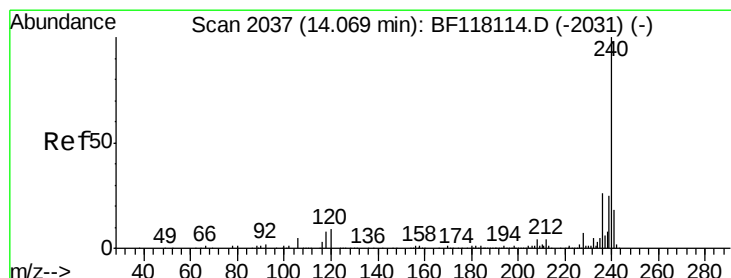
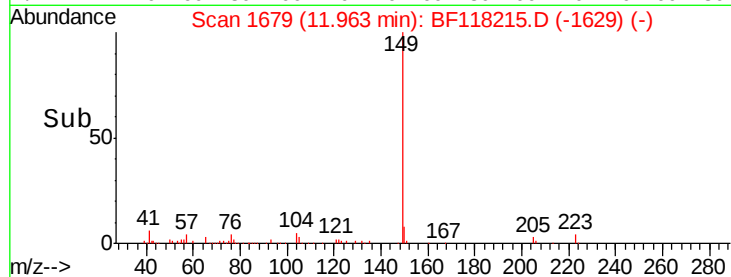
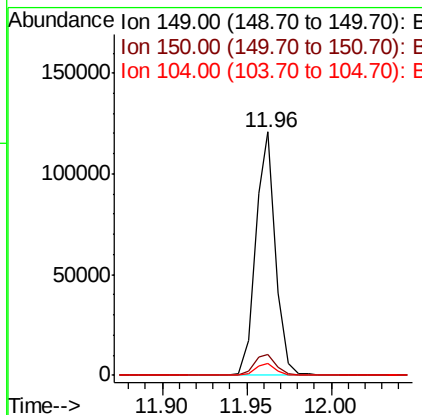
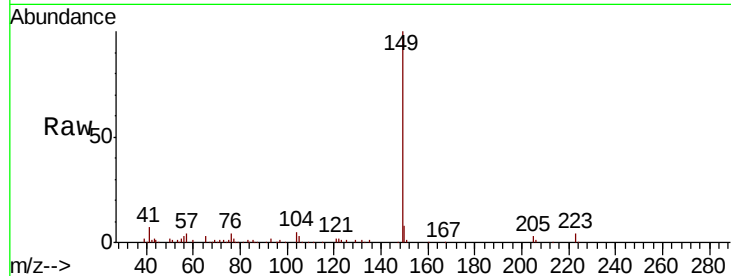




#74
Di-n-butylphthalate
Concen: 4.014 ng
RT: 11.96 min Scan# 1679
Delta R.T. -0.01 min
Lab File: BF118215.D
Acq: 16 Dec 2019 23:59

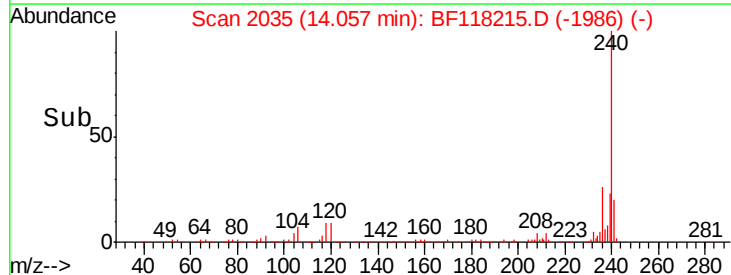
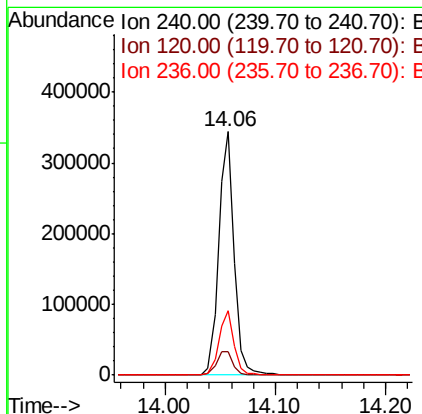
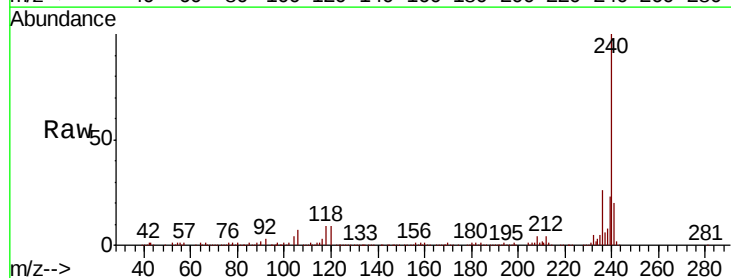
Instrument :
BNA_F
ClientSampleId :

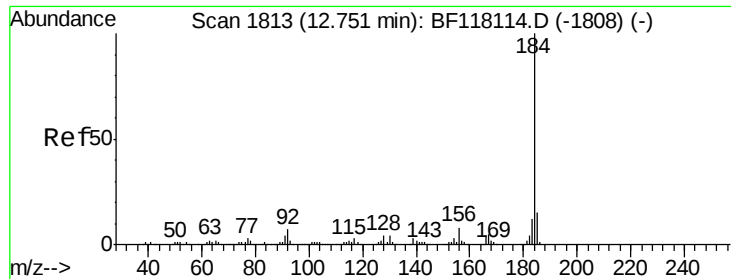
Tot Ion:149 Resp: 98726
Ion Ratio Lower Upper
149 100
150 8.5 7.4 11.2
104 4.8 4.3 6.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118215.D
Acq: 16 Dec 2019 23:59

Tgt Ion:240 Resp: 331672
Ion Ratio Lower Upper
240 100
120 9.4 7.1 10.7
236 26.3 21.0 31.6





#77

Benzidine

Concen: 2.426 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.25 min

Lab File: BF118215.D

Acq: 16 Dec 2019 23:59

Instrument :

BNA_F

ClientSampleId :

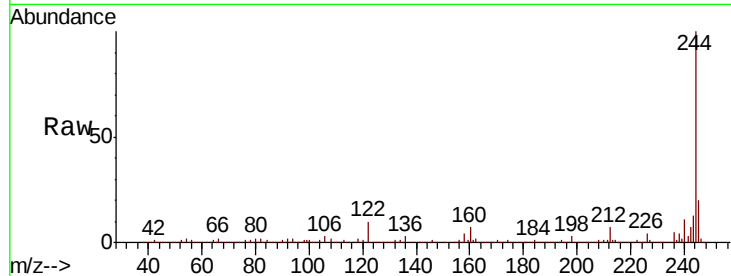
Tot Ion:184 Resp: 21183

Ion Ratio Lower Upper

184 100

185 18.1 12.3 18.5

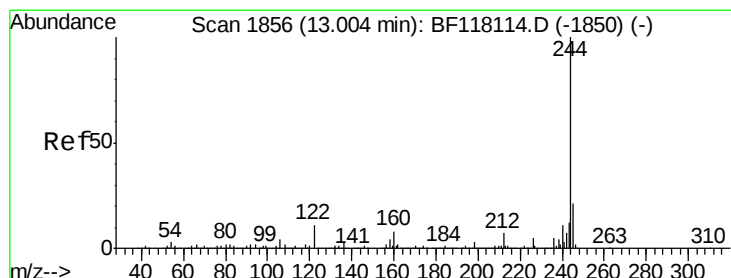
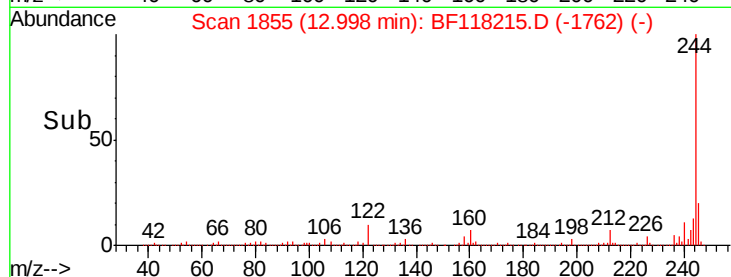
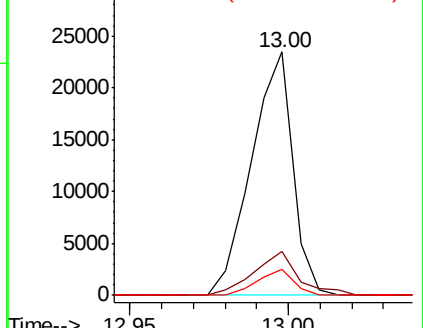
183 10.4 9.9 14.9



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: 78.554 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118215.D

Acq: 16 Dec 2019 23:59

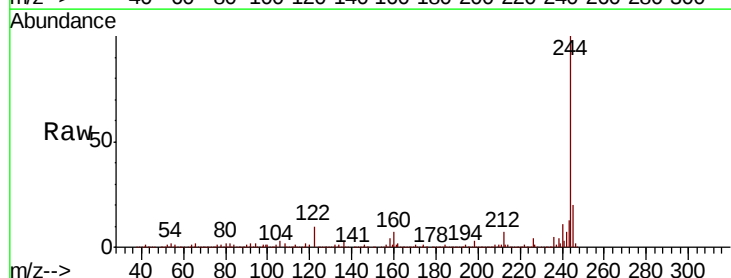
Tgt Ion:244 Resp: 1515105

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

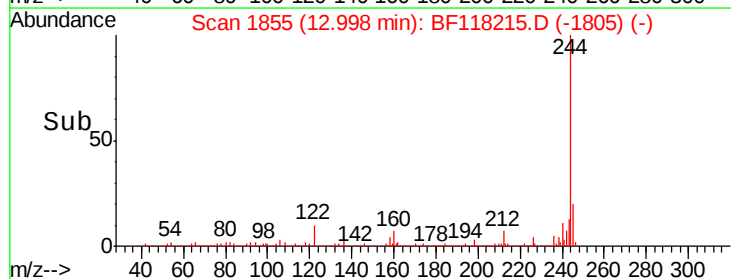
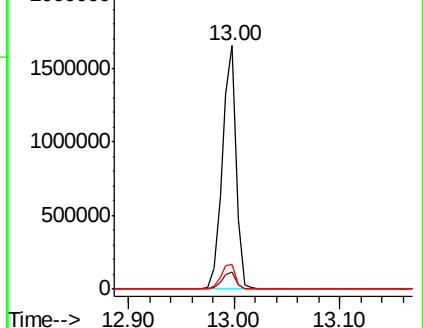
122 10.2 9.0 13.6

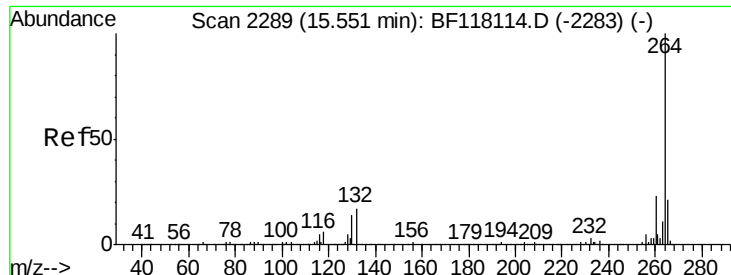


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF118215.D
 Acq: 16 Dec 2019 23:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	28.0
265	21.6	16.8	25.2

