

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF081618\
 Data File : BF108211.D
 Acq On : 16 Aug 2018 22:41
 Operator : JU/SJ
 Sample : J4499-06 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSB-06(0-1)

Quant Time: Aug 17 04:08:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

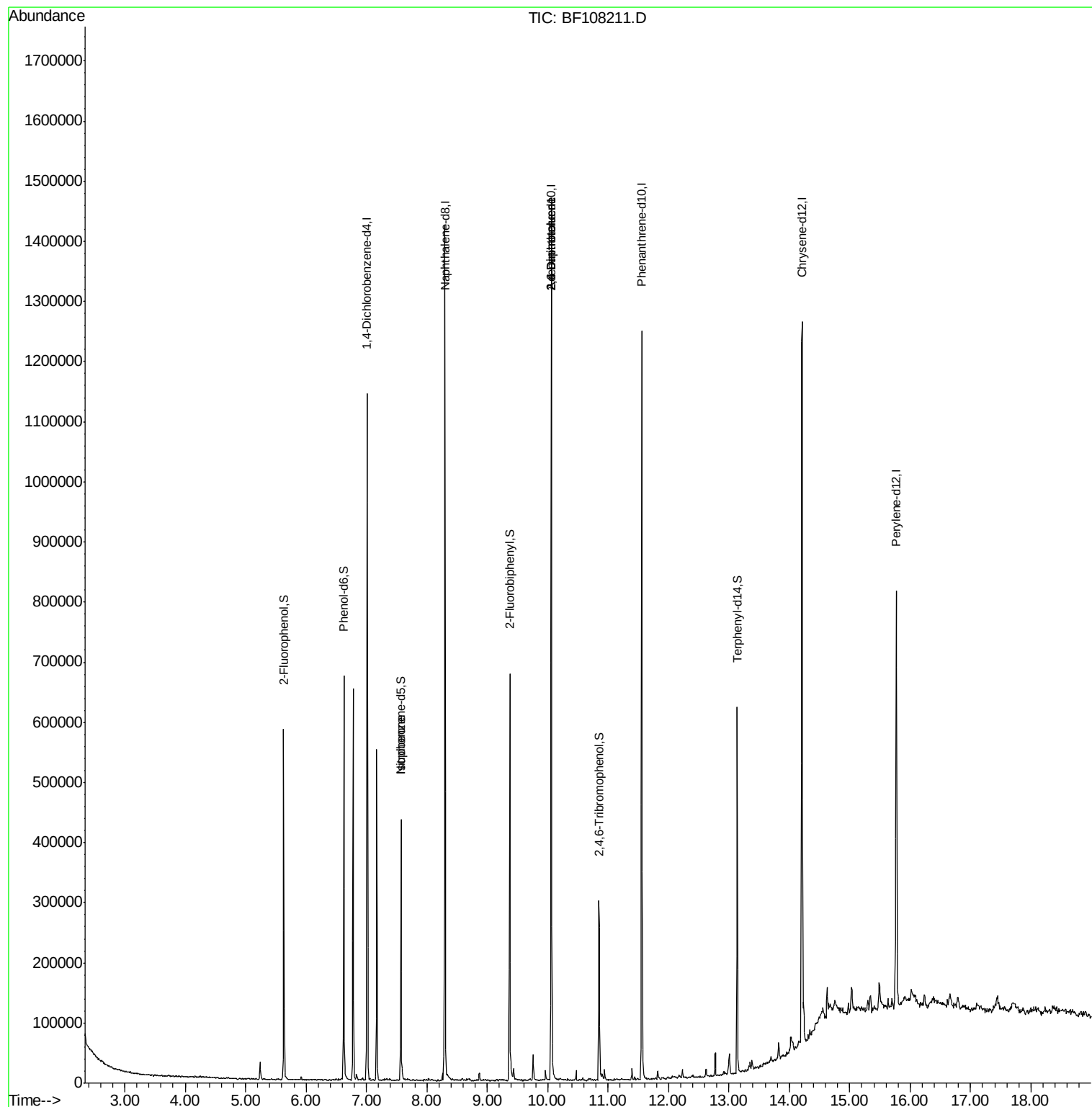
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	161916	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	615669	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	285433	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	482132	20.00	ng	0.00
75) Chrysene-d12	14.21	240	433916	20.00	ng	0.00
86) Perylene-d12	15.77	264	340565	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	141435	15.81	ng	0.00
7) Phenol-d6	6.62	99	188046	15.82	ng	0.00
23) Nitrobenzene-d5	7.57	82	119432	10.82	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	37394	13.13	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	245647	13.82	ng	0.00
78) Terphenyl-d14	13.14	244	217560	12.75	ng	0.00
Target Compounds						
25) Isophorone	7.57	82	119450	5.680	ng	# 64
50) 2,6-Dinitrotoluene	10.06	165	36255	8.715	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	36256	6.771	ng	# 23

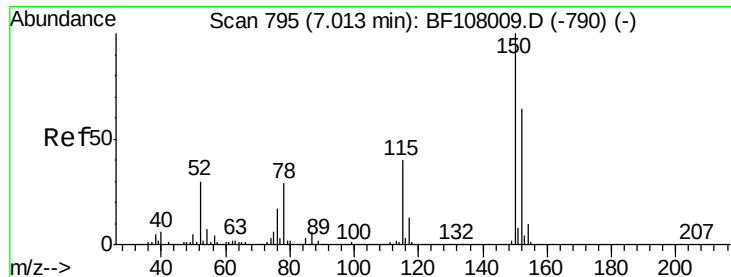
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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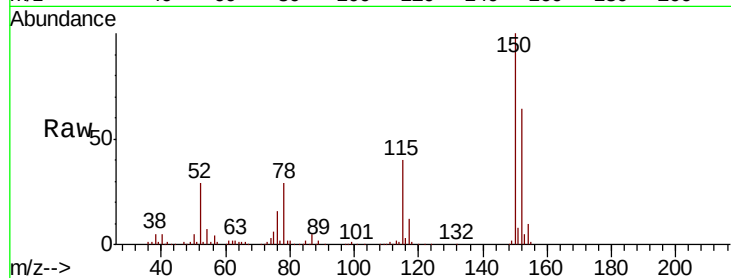


#1

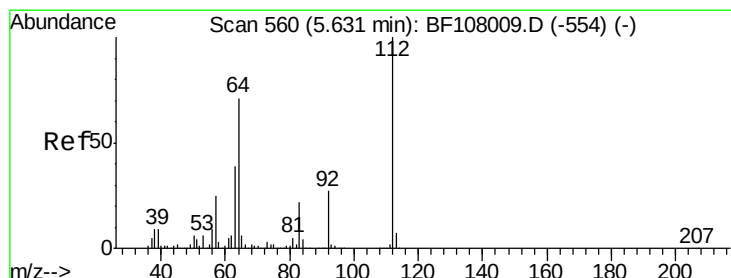
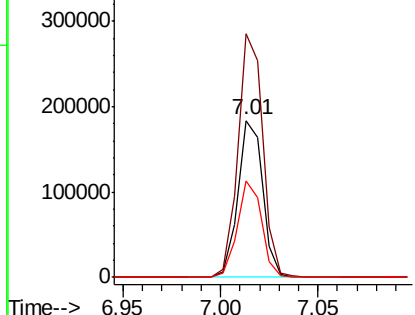
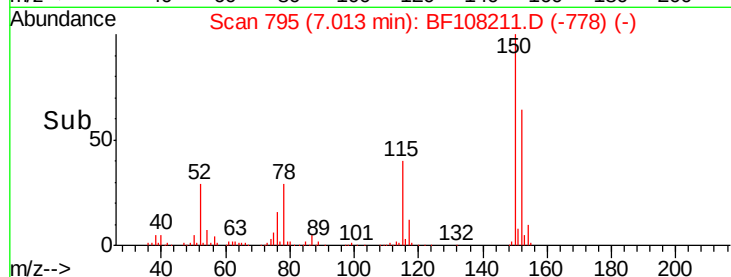
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108211.D
Acq: 16 Aug 2018 22:41

Instrument :
BNA_F
ClientSampleId :
LSB-06(0-1)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	61.9	50.1	75.1



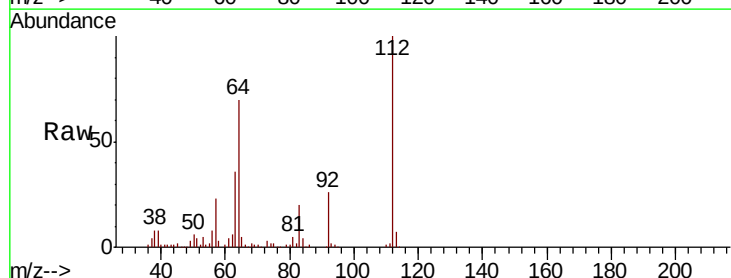
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



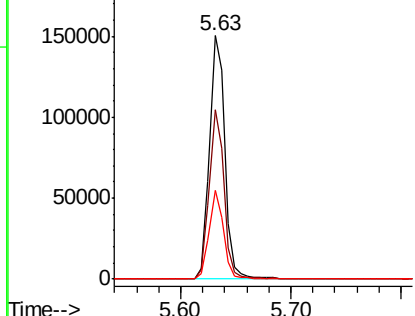
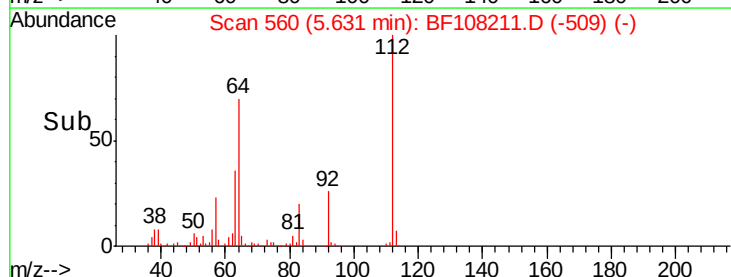
#5

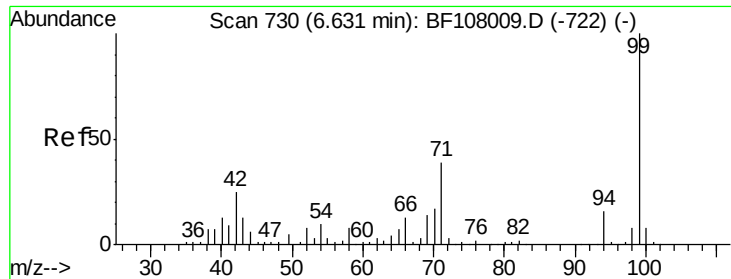
2-Fluorophenol
Concen: 15.814 ng
RT: 5.63 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF108211.D
Acq: 16 Aug 2018 22:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.6	47.9	71.9
63	36.2	23.7	35.5#



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: 15.823 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108211.D

Acq: 16 Aug 2018 22:41

Instrument :

BNA_F

ClientSampleId :

LSB-06(0-1)

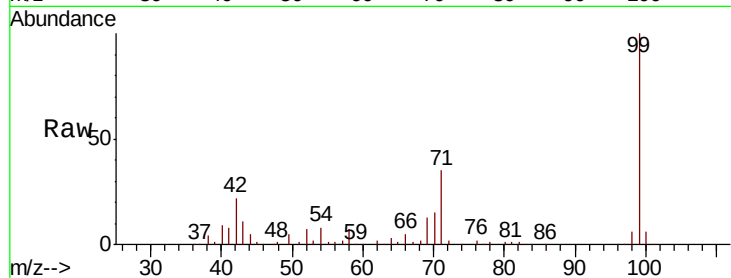
Tgt Ion: 99 Resp: 188046

Ion Ratio Lower Upper

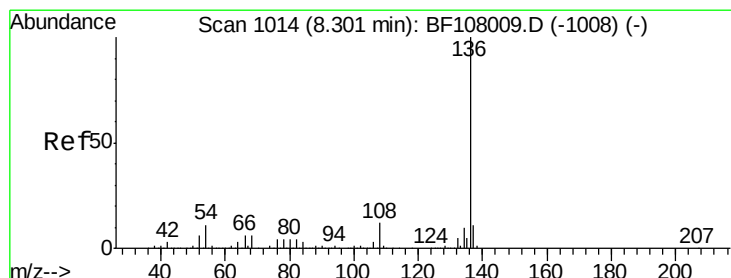
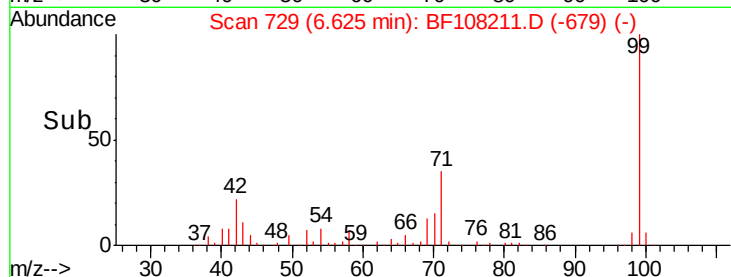
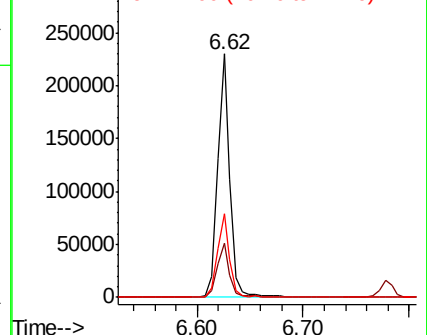
99 100

42 22.1 14.5 21.7#

71 34.5 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108211.D

Acq: 16 Aug 2018 22:41

Tgt Ion: 136 Resp: 615669

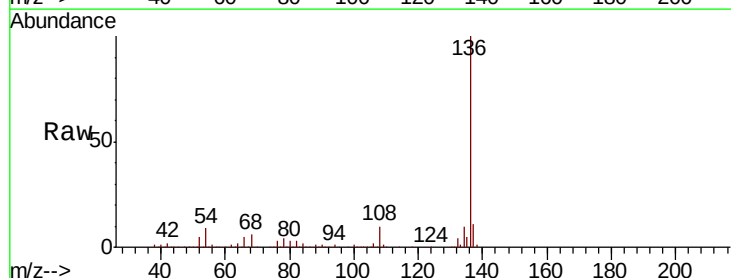
Ion Ratio Lower Upper

136 100

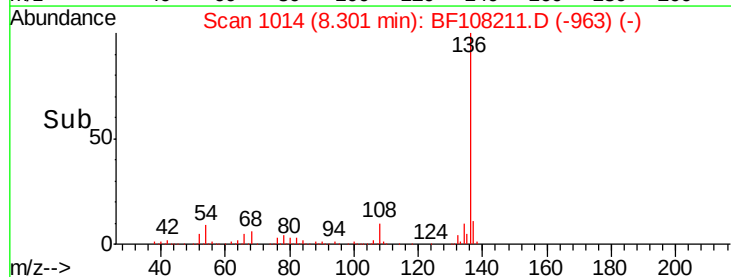
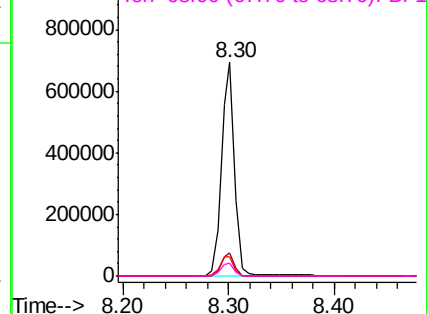
137 10.8 8.9 13.3

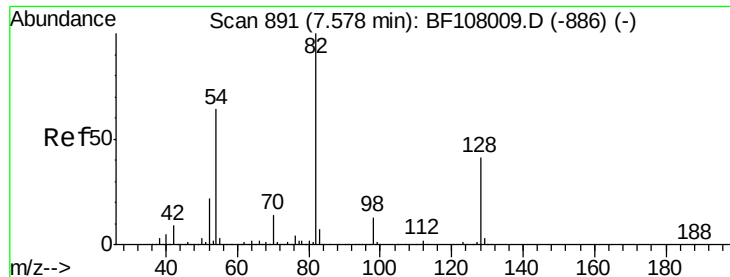
54 9.2 6.6 9.8

68 5.8 5.0 7.4



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

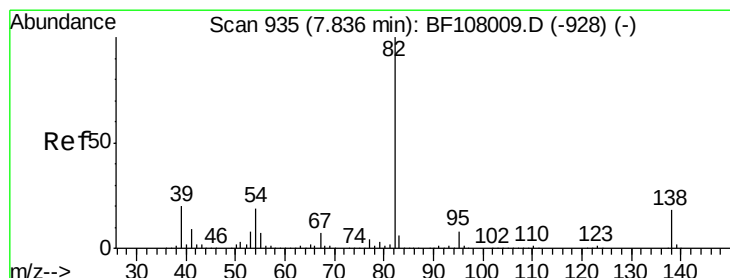
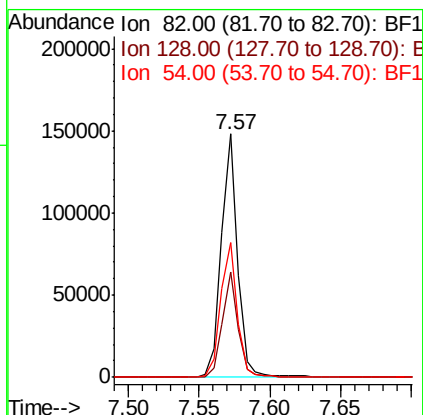
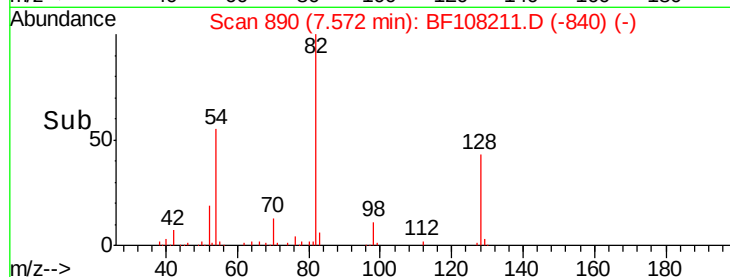
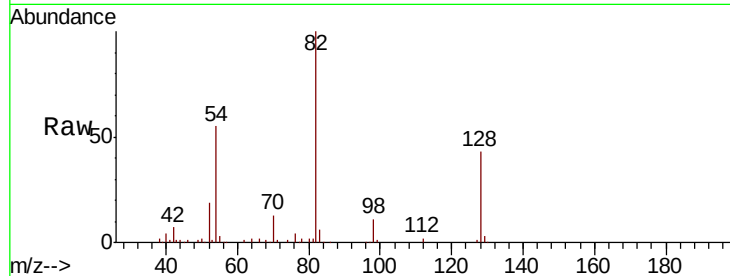




#23
Nitrobenzene-d5
Concen: 10.825 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108211.D
Acq: 16 Aug 2018 22:41

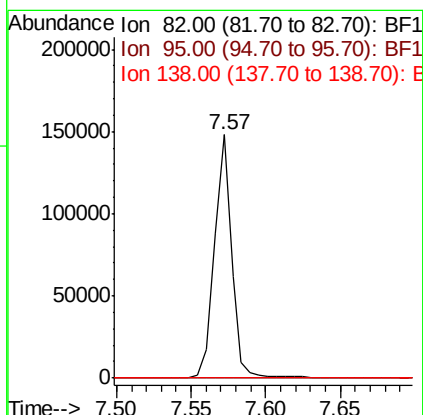
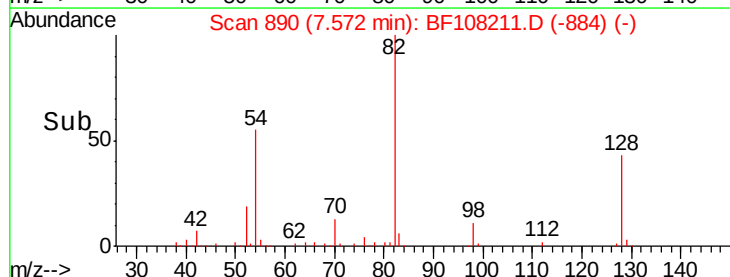
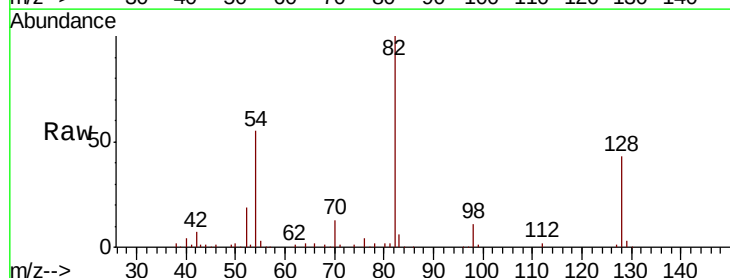
Instrument :
BNA_F
ClientSampleId :
LSB-06(0-1)

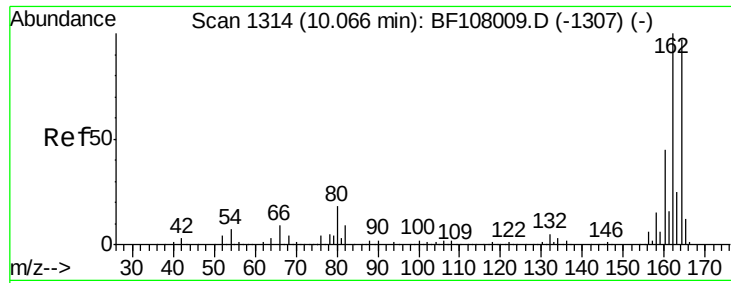
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.1	36.1	54.1
54	55.5	41.4	62.2



#25
Isophorone
Concen: 5.680 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.26 min
Lab File: BF108211.D
Acq: 16 Aug 2018 22:41

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108211.D

Acq: 16 Aug 2018 22:41

Instrument :

BNA_F

ClientSampleId :

LSB-06(0-1)

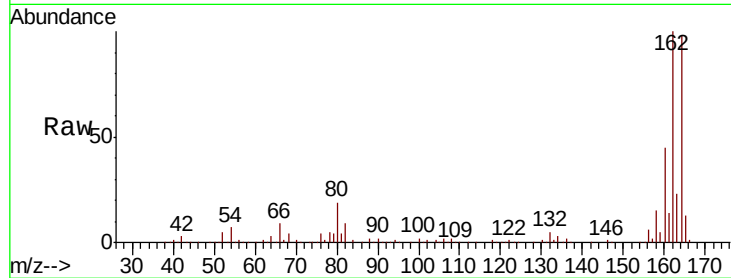
Tgt Ion:164 Resp: 285433

Ion Ratio Lower Upper

164 100

162 102.4 86.1 129.1

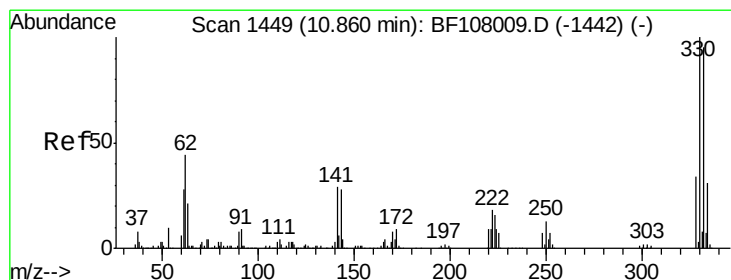
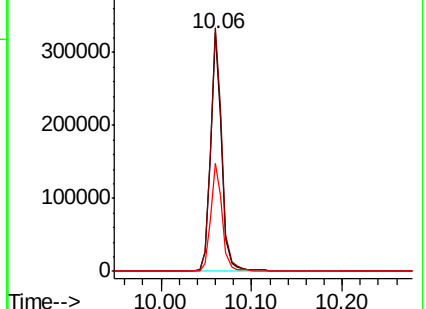
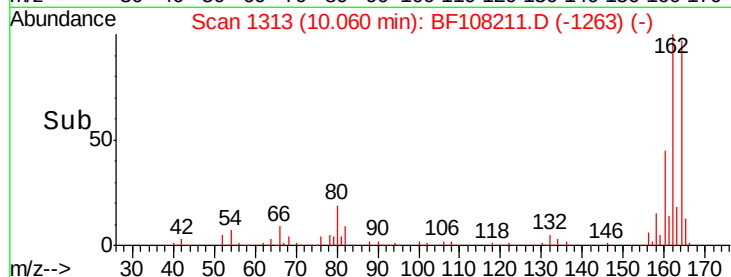
160 45.6 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 13.134 ng

RT: 10.85 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF108211.D

Acq: 16 Aug 2018 22:41

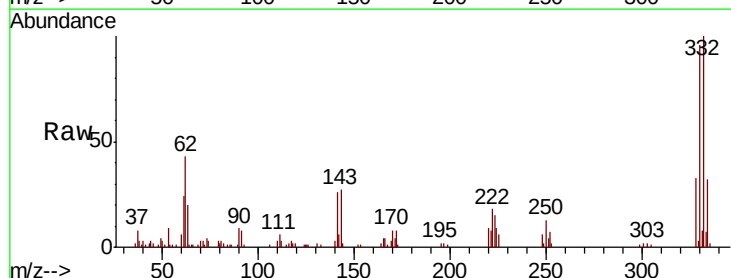
Tgt Ion:330 Resp: 37394

Ion Ratio Lower Upper

330 100

332 99.6 77.0 115.6

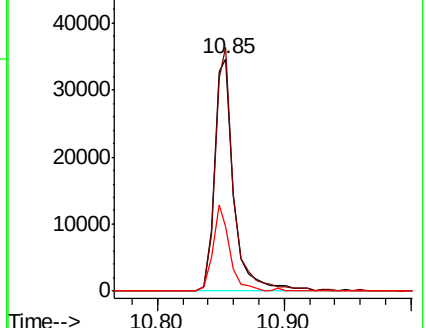
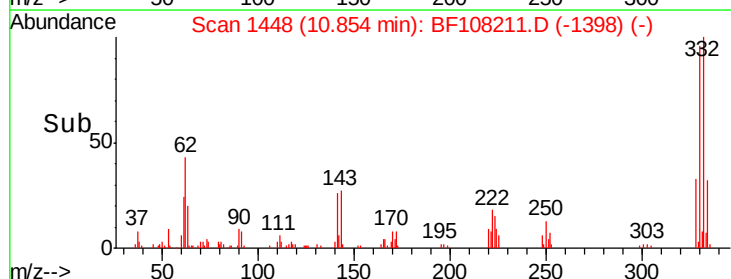
141 32.0 29.9 44.9

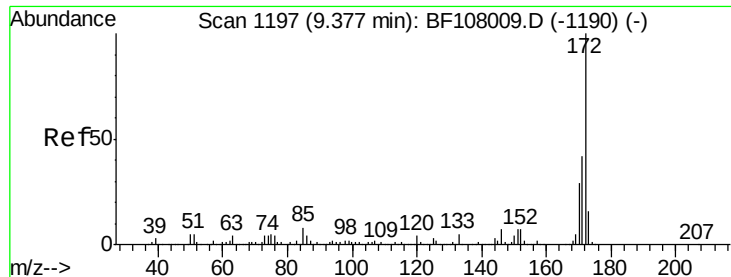


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

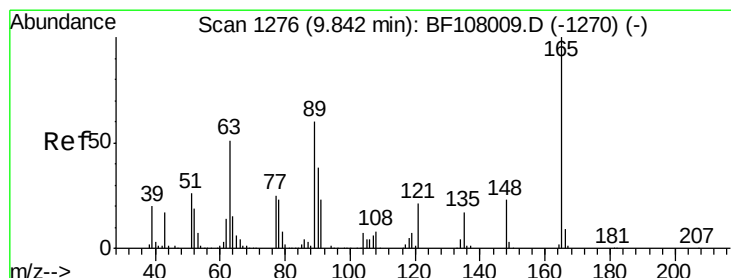
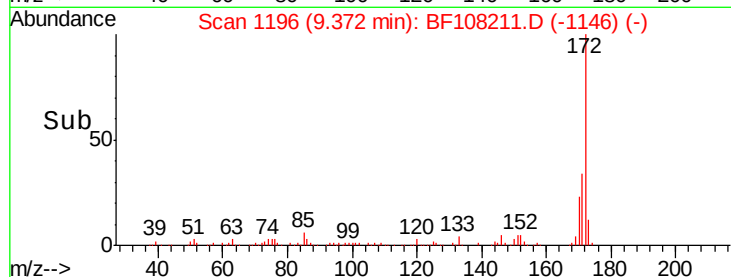
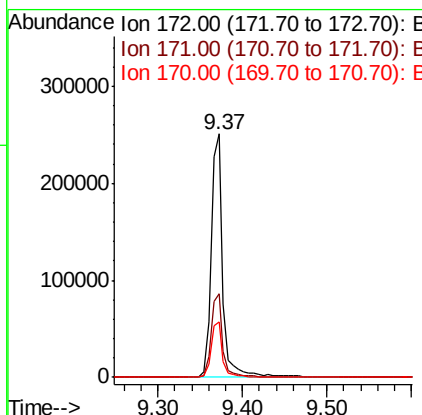
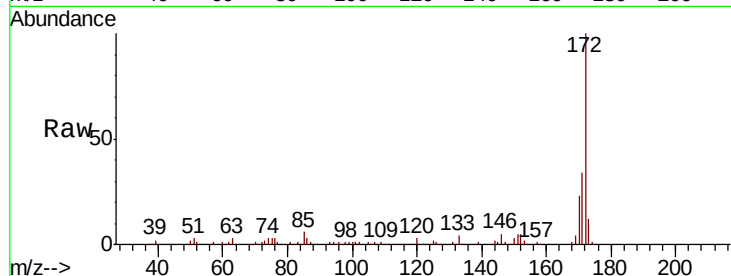




#44
 2-Fluorobiphenyl
 Concen: 13.817 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108211.D
 Acq: 16 Aug 2018 22:41

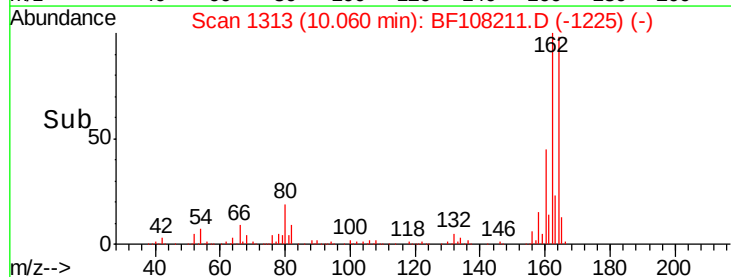
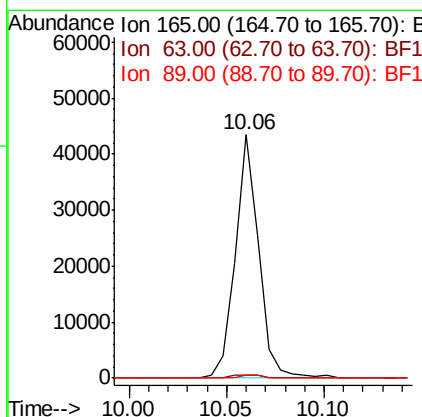
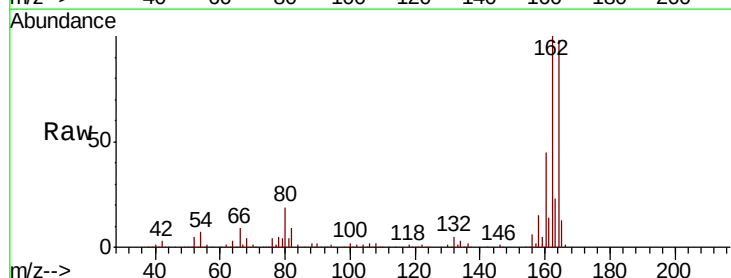
Instrument :
 BNA_F
 ClientSampleId :
 LSB-06(0-1)

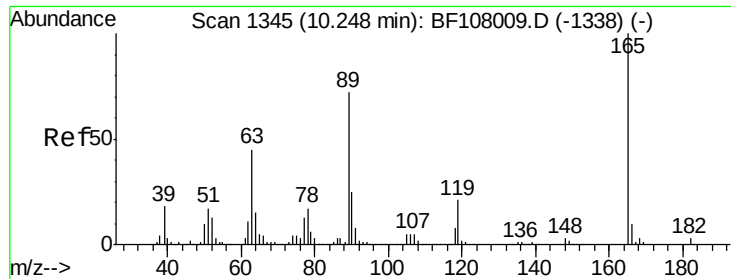
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.7	44.5
170	22.7	19.6	29.4



#50
 2,6-Dinitrotoluene
 Concen: 8.715 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108211.D
 Acq: 16 Aug 2018 22:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.5	44.0	66.0#

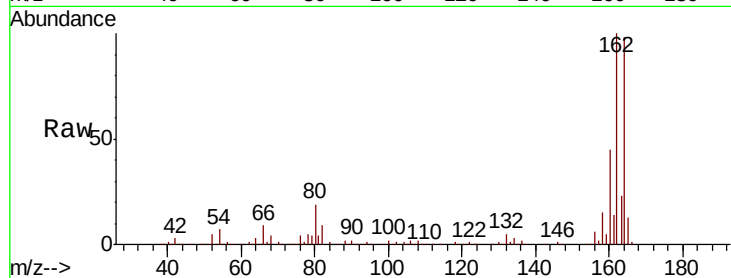




#56
 2,4-Dinitrotoluene
 Concen: 6.771 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108211.D
 Acq: 16 Aug 2018 22:41

Instrument :
 BNA_F
 ClientSampleId :
 LSB-06(0-1)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

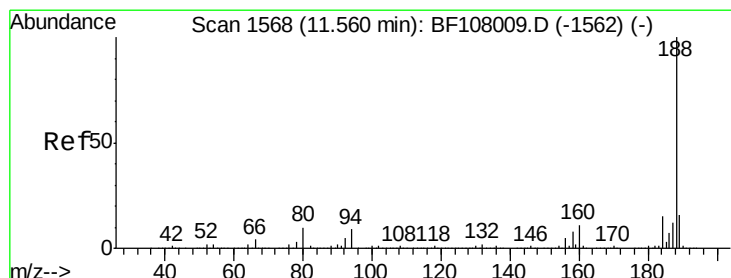
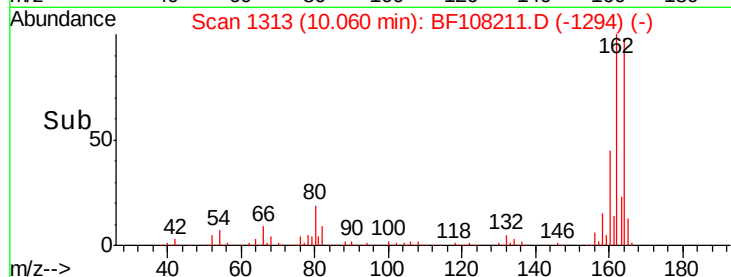
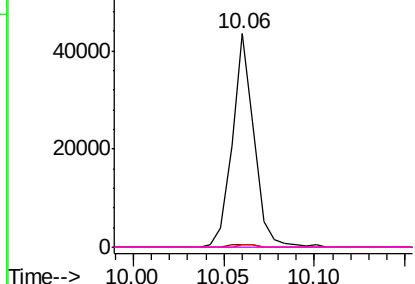


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

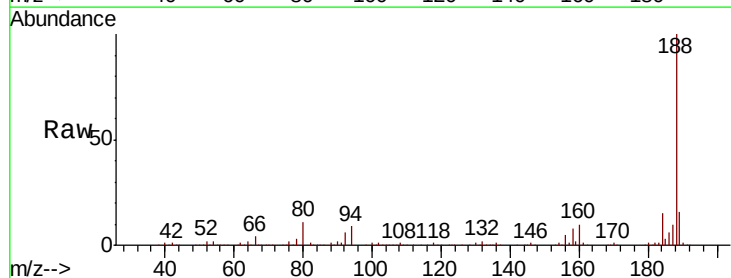
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108211.D
 Acq: 16 Aug 2018 22:41

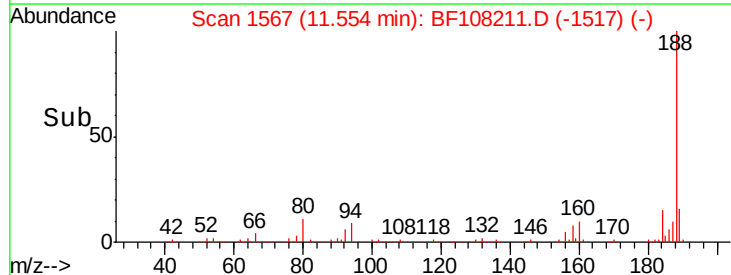
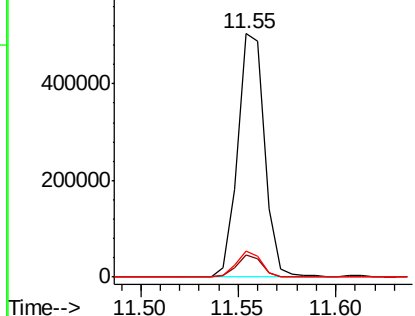
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	10.7	9.2	13.8

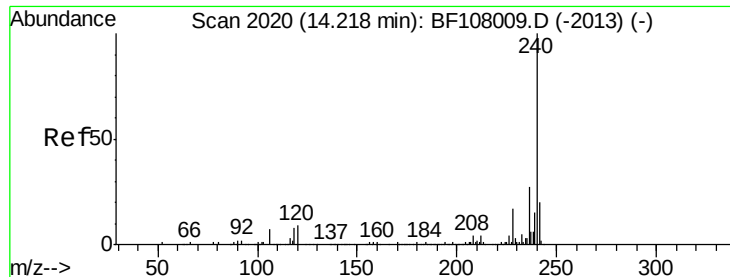


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108211.D

Acq: 16 Aug 2018 22:41

Instrument :

BNA_F

ClientSampleId :

LSB-06(0-1)

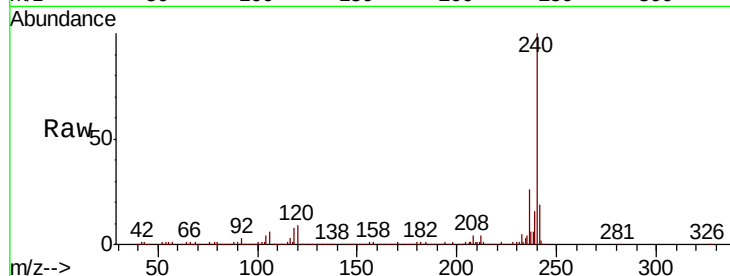
Tgt Ion:240 Resp: 433916

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

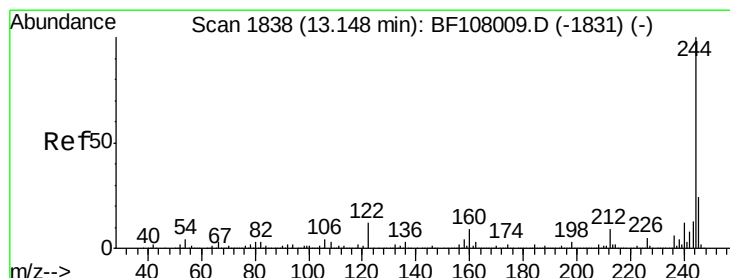
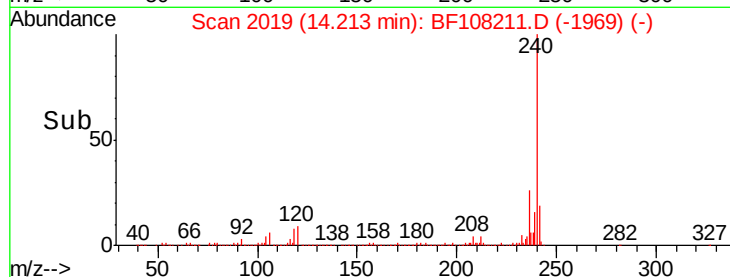
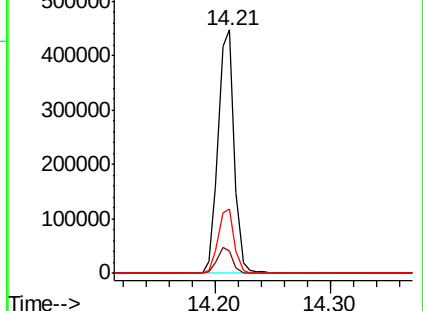
236 26.4 20.7 31.1



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



#78

Terphenyl-d14

Concen: 12.748 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108211.D

Acq: 16 Aug 2018 22:41

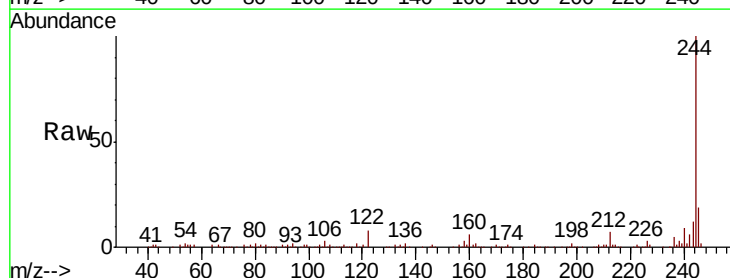
Tgt Ion:244 Resp: 217560

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

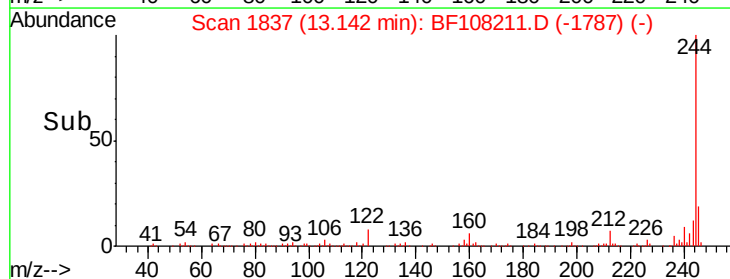
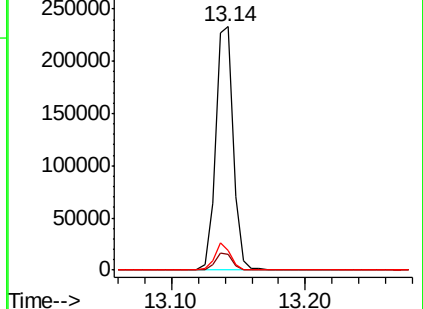
122 8.2 11.0 16.4#

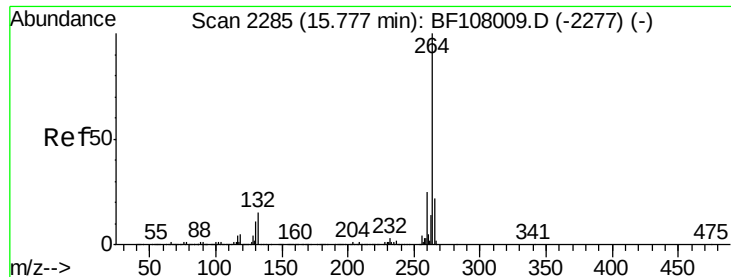


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108211.D
Acq: 16 Aug 2018 22:41

Instrument :
BNA_F
ClientSampleId :
LSB-06(0-1)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.9	17.5	26.3

