

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
 Data File : BF108201.D
 Acq On : 16 Aug 2018 18:04
 Operator : JU/SJ
 Sample : J4499-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 16 18:47:13 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	178131	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	653281	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	303900	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	498169	20.00	ng	0.00
75) Chrysene-d12	14.21	240	415625	20.00	ng	-0.01
86) Perylene-d12	15.77	264	380413	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	1031794	104.87	ng	0.02
7) Phenol-d6	6.64	99	1369186	104.72	ng	0.00
23) Nitrobenzene-d5	7.58	82	912741	77.96	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	321584	106.09	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1553940	82.09	ng	0.00
78) Terphenyl-d14	13.14	244	1177958	72.06	ng	0.00

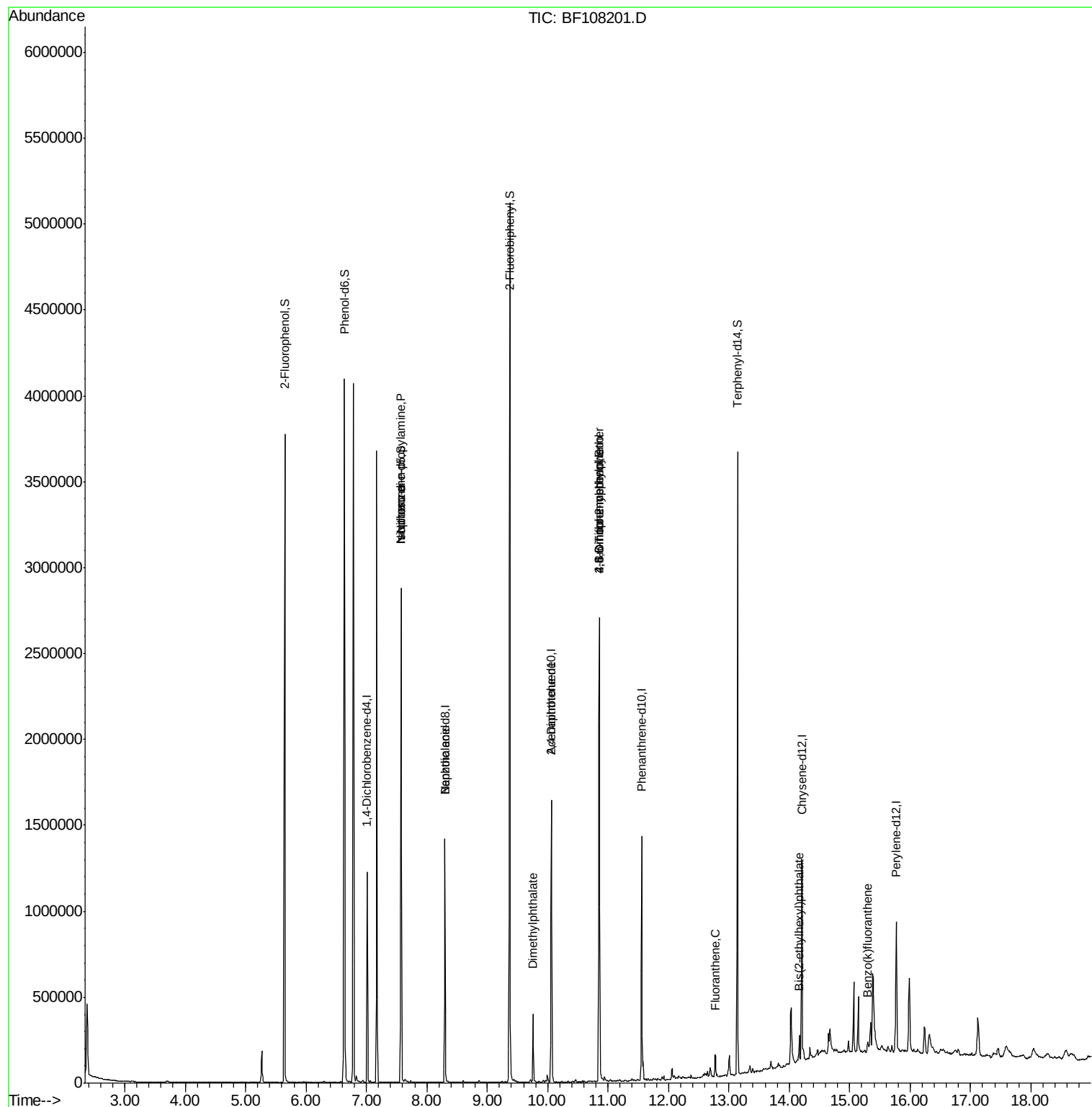
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	124790	14.114	ng	# 83
25) Isophorone	7.58	82	908677	40.721	ng	# 64
32) Benzoic acid	8.30	122	120	5.993	ng	# 1
49) Dimethylphthalate	9.76	163	144729	6.837	ng	# 99
56) 2,4-Dinitrotoluene	10.06	165	38491	6.752	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	511	5.601	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	20996	3.878	ng	# 1
74) Fluoranthene	12.77	202	51377	2.003	ng	96
83) Bis(2-ethylhexyl)phthalate	14.17	149	39667	2.803	ng	# 96
88) Benzo(k)fluoranthene	15.30	252	43251	2.070	ng	# 93

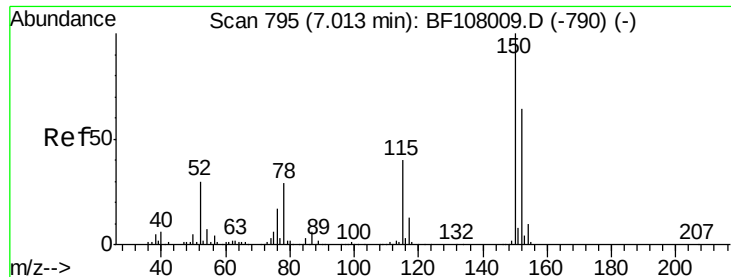
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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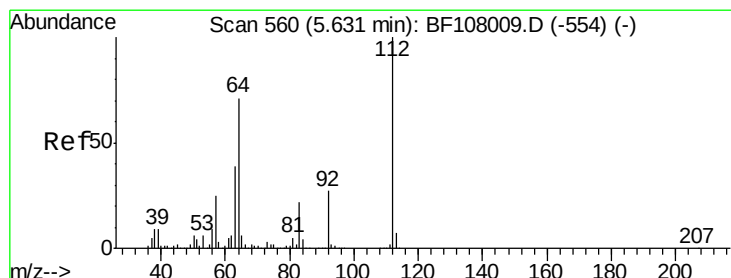
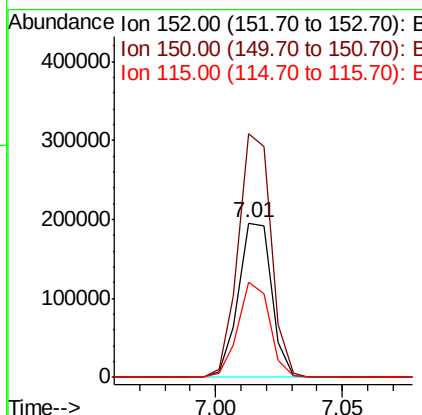
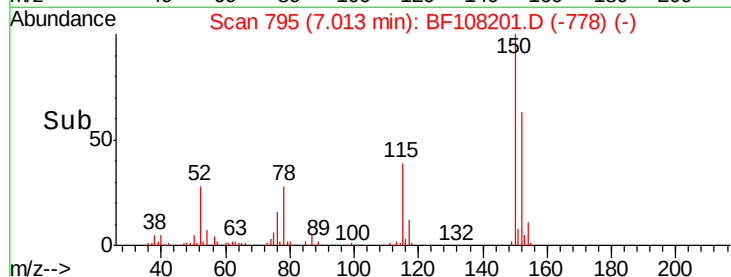
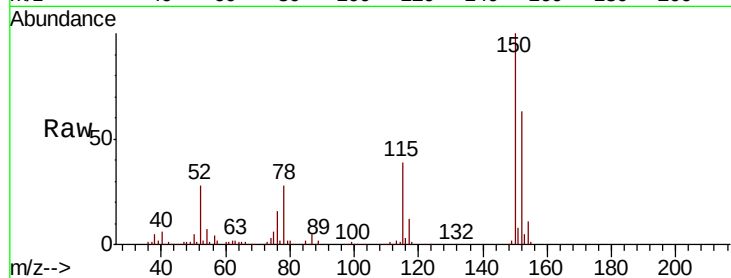


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108201.D
Acq: 16 Aug 2018 18:04

Instrument :
BNA_F
ClientSampleId :

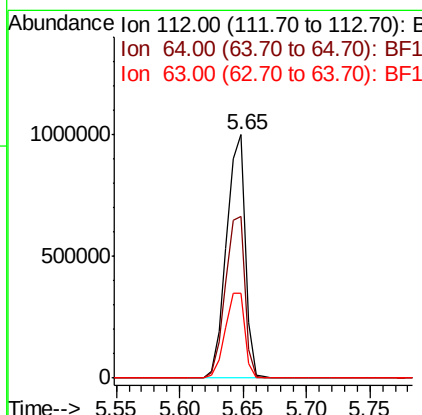
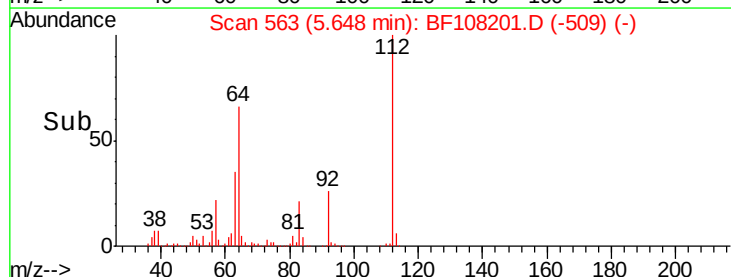
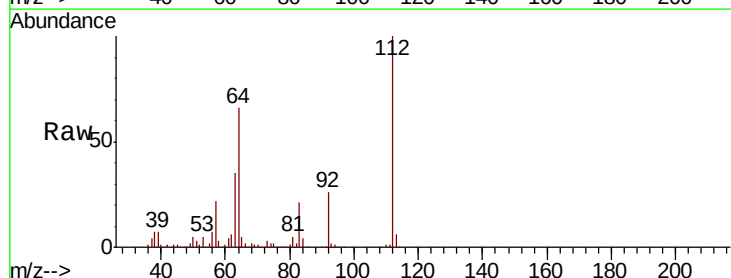
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	61.9	50.1	75.1

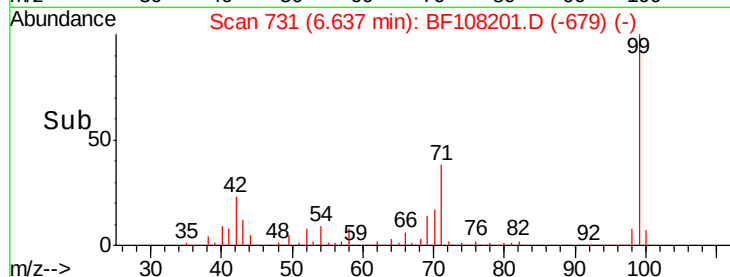
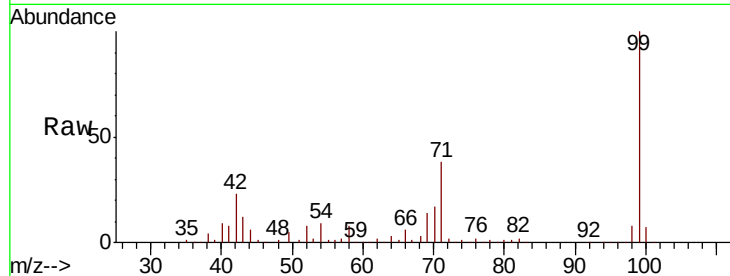
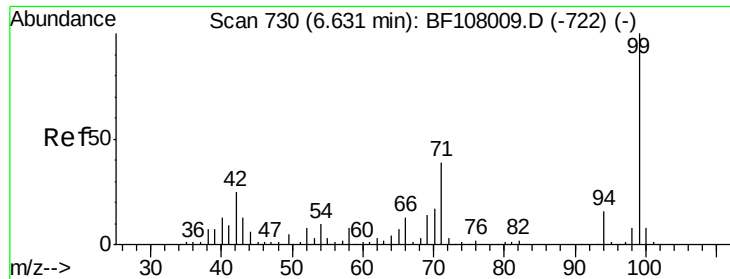


#5

2-Fluorophenol
Concen: 104.868 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108201.D
Acq: 16 Aug 2018 18:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	47.9	71.9
63	34.9	23.7	35.5





#7

Phenol-d6

Concen: 104.720 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108201.D

Acq: 16 Aug 2018 18:04

Instrument :

BNA_F

ClientSampleId :

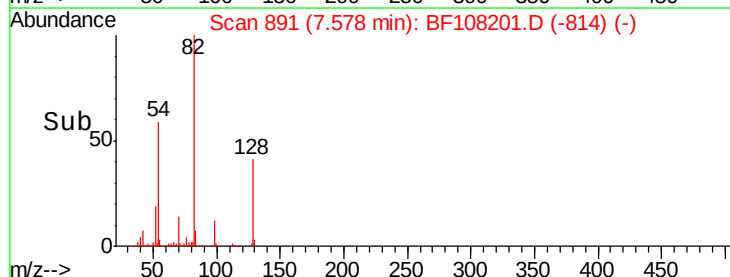
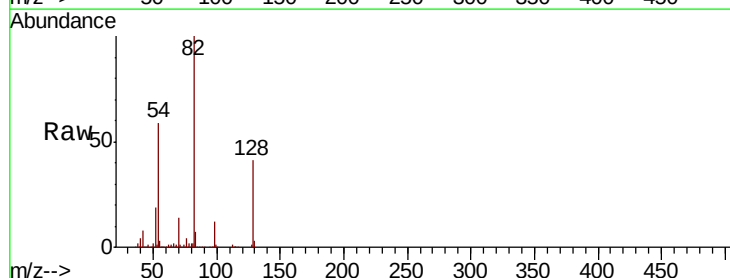
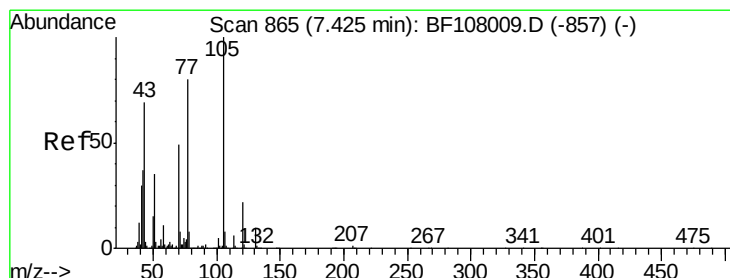
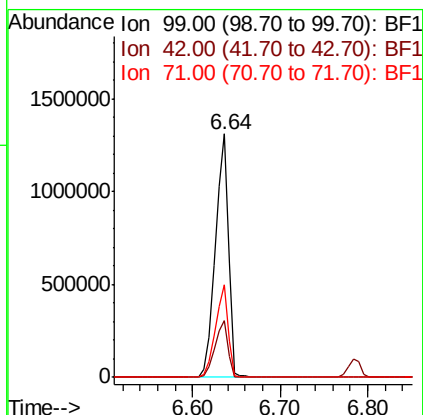
Tot Ion: 99 Resp: 1369186

Ion Ratio Lower Upper

99 100

42 23.4 14.5 21.7#

71 37.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.114 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108201.D

Acq: 16 Aug 2018 18:04

Tgt Ion: 70 Resp: 124790

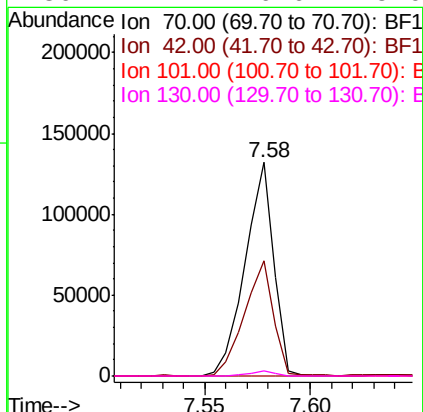
Ion Ratio Lower Upper

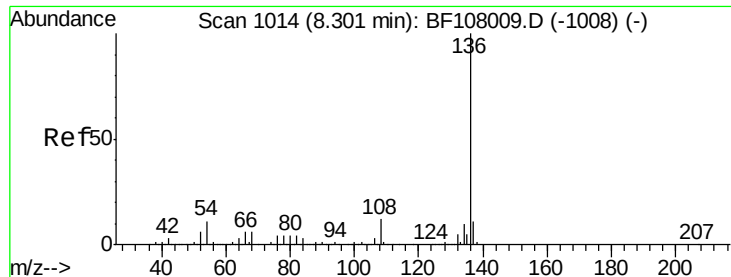
70 100

42 54.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

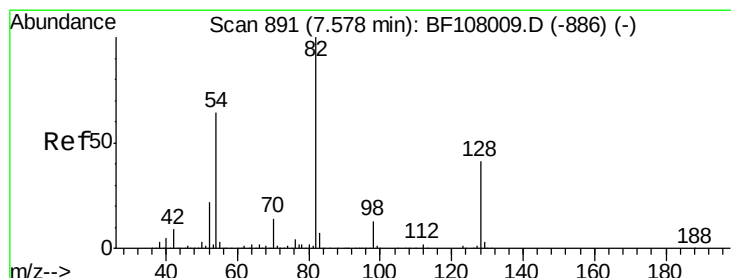
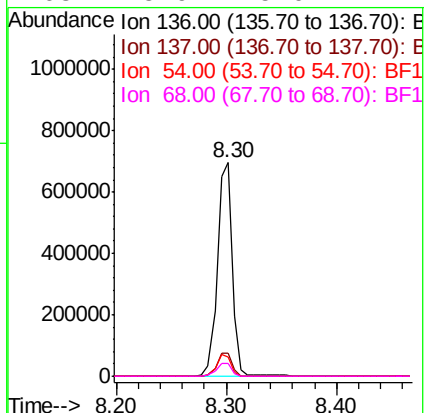
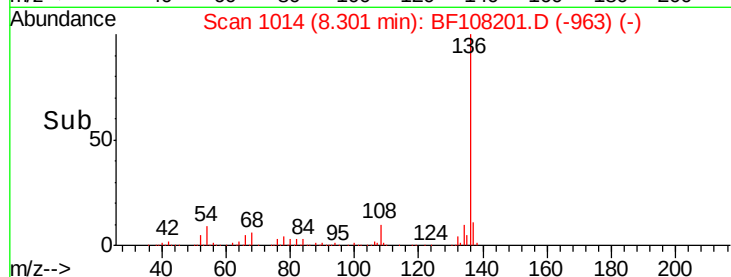
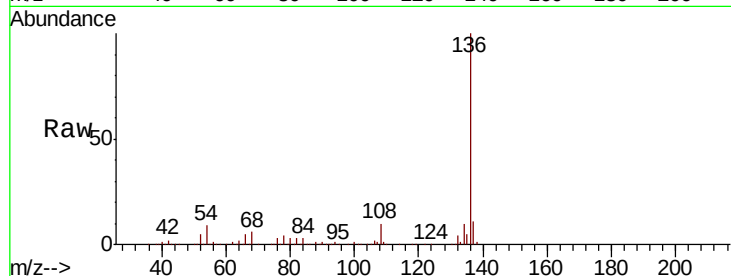




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108201.D
Acq: 16 Aug 2018 18:04

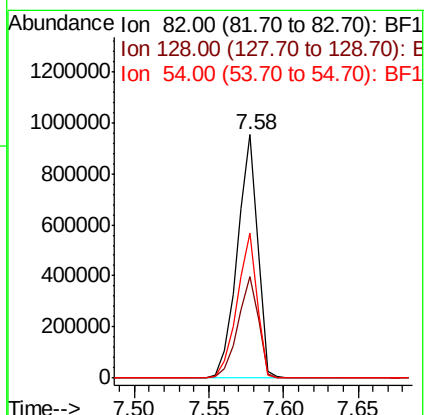
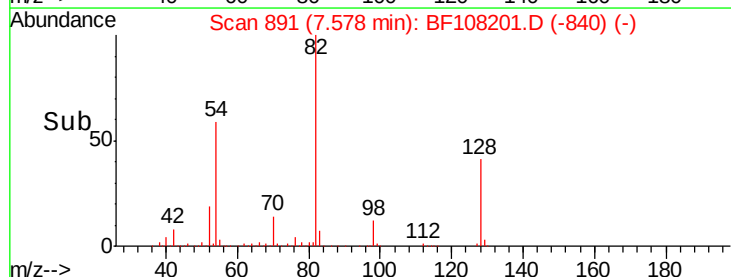
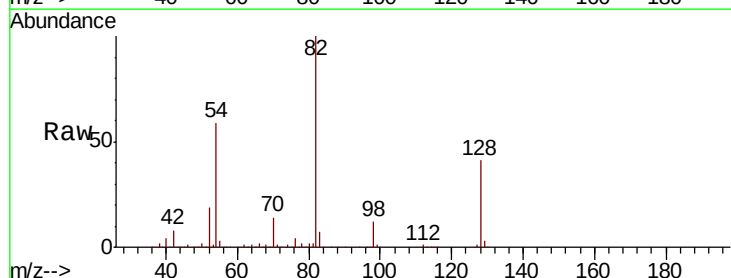
Instrument :
BNA_F
ClientSampled :

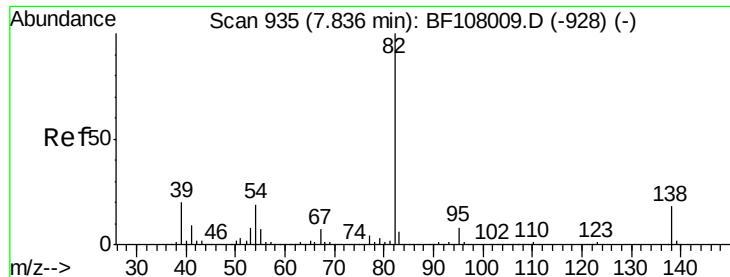
Tot Ion:136	Resp:	653281	
Ion Ratio	Lower	Upper	
136 100			
137 10.6	8.9	13.3	
54 8.9	6.6	9.8	
68 5.9	5.0	7.4	



#23
Nitrobenzene-d5
Concen: 77.964 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108201.D
Acq: 16 Aug 2018 18:04

Tgt Ion: 82	Resp: 912741
Ion Ratio	Lower Upper
82 100	
128 41.5	36.1 54.1
54 59.4	41.4 62.2





#25

Isophorone

Concen: 40.721 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108201.D

Acq: 16 Aug 2018 18:04

Instrument :

BNA_F

ClientSampleId :

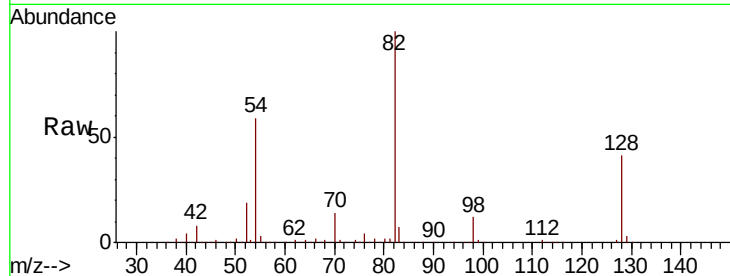
Tot Ion: 82 Resp: 908677

Ion Ratio Lower Upper

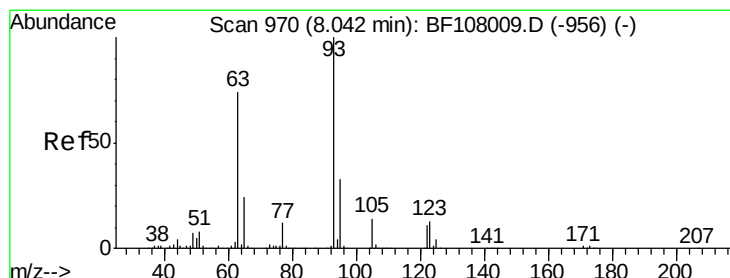
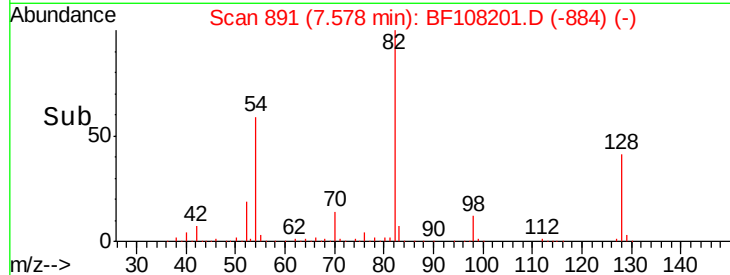
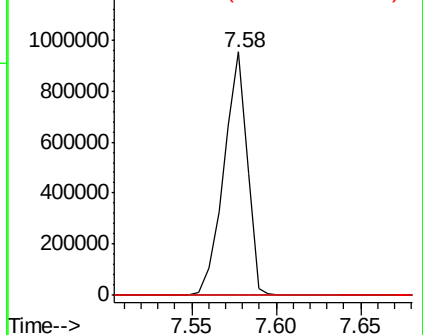
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 5.993 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.26 min

Lab File: BF108201.D

Acq: 16 Aug 2018 18:04

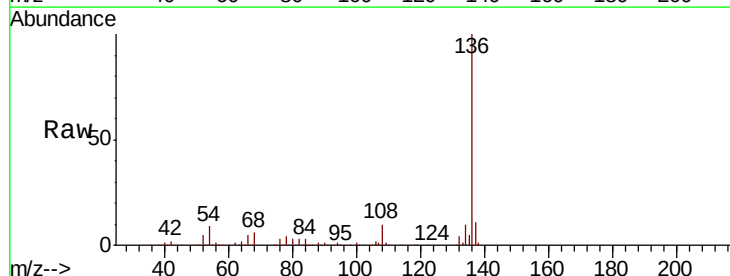
Tgt Ion:122 Resp: 120

Ion Ratio Lower Upper

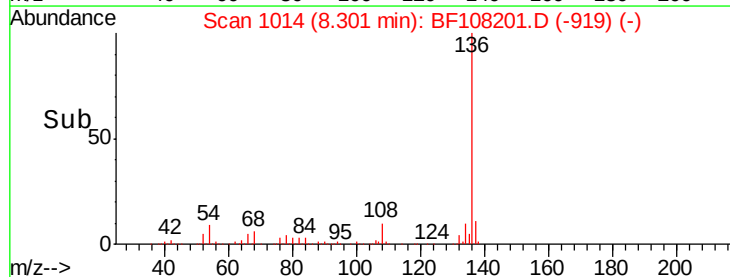
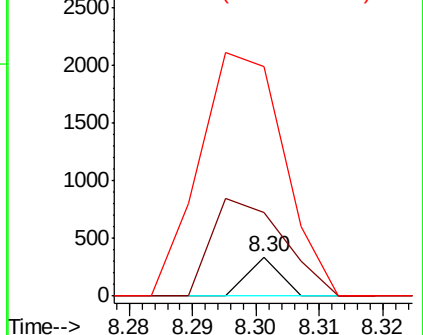
122 100

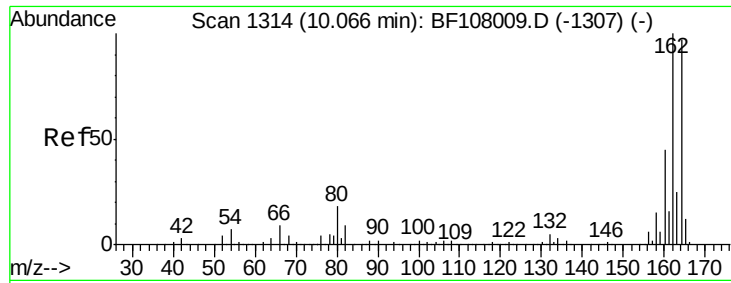
105 212.4 101.1 141.1#

77 586.7 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

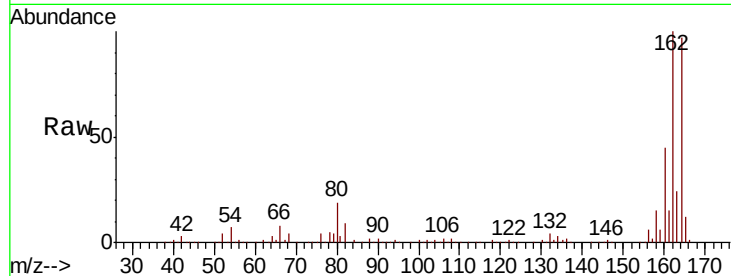




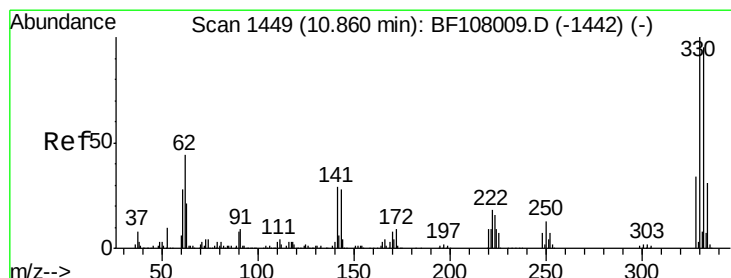
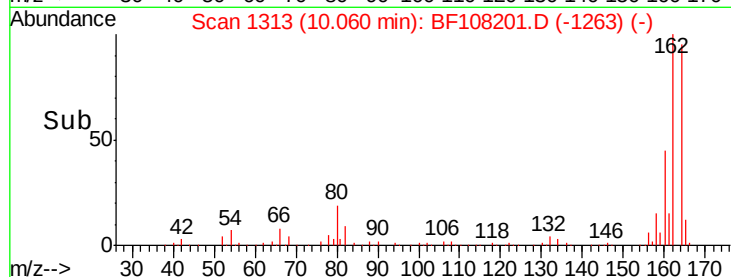
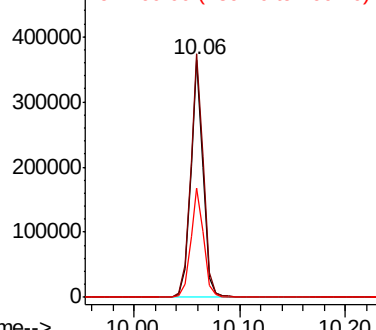
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF108201.D
 Acq: 16 Aug 2018 18:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 303900
 Ion Ratio Lower Upper
 164 100
 162 102.6 86.1 129.1
 160 45.9 38.3 57.5

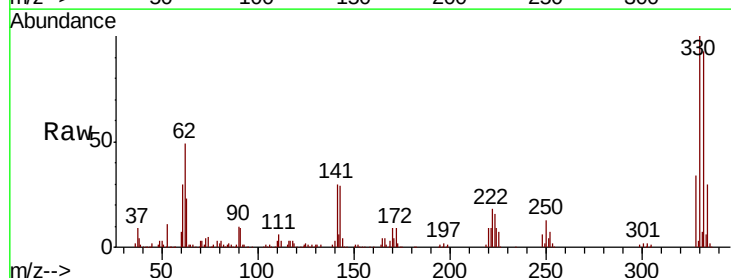


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

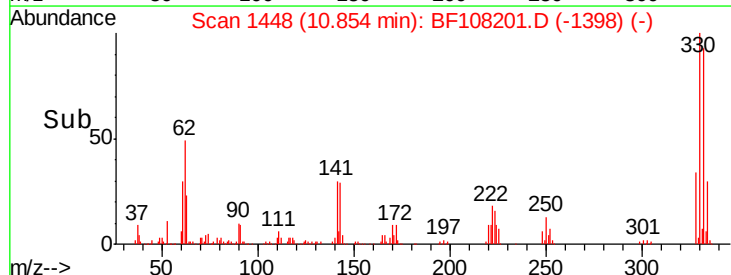
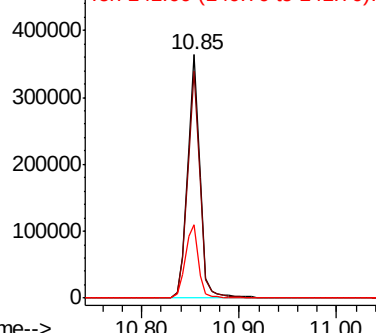


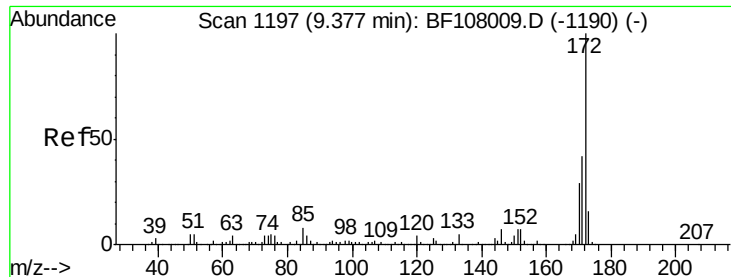
#41
 2,4,6-Tribromophenol
 Concen: 106.087 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108201.D
 Acq: 16 Aug 2018 18:04

Tgt Ion:330 Resp: 321584
 Ion Ratio Lower Upper
 330 100
 332 93.9 77.0 115.6
 141 32.5 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

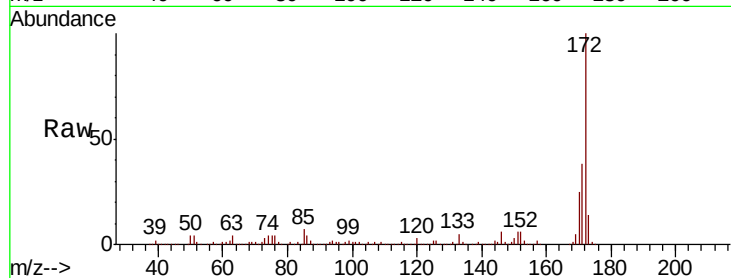




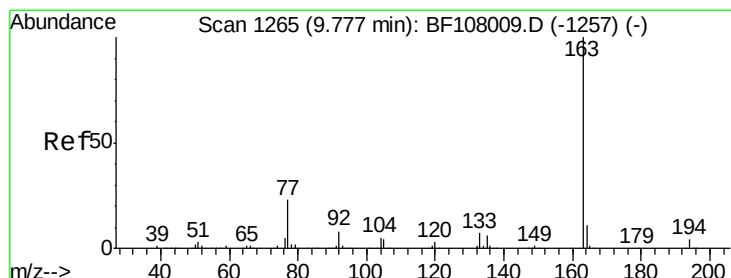
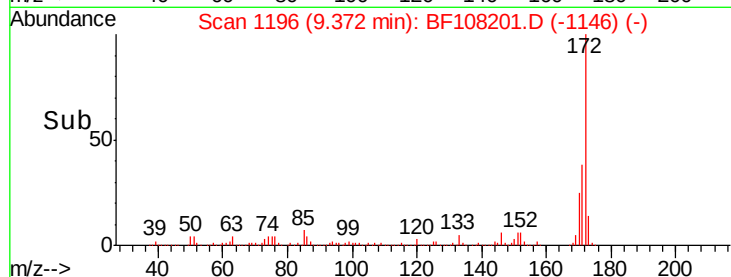
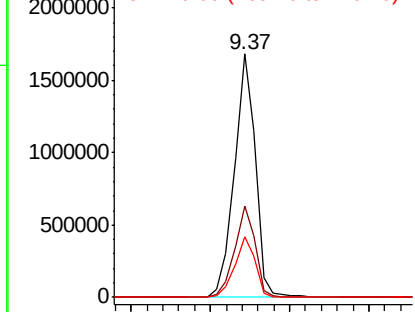
#44
2-Fluorobiphenyl
Concen: 82.093 ng
RT: 9.37 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF108201.D
Acq: 16 Aug 2018 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1553940
Ion Ratio Lower Upper
172 100
171 37.5 29.7 44.5
170 25.0 19.6 29.4

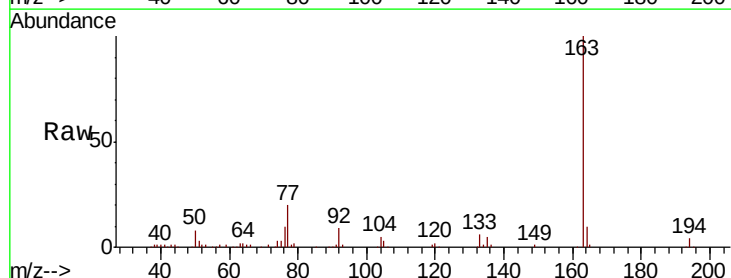


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

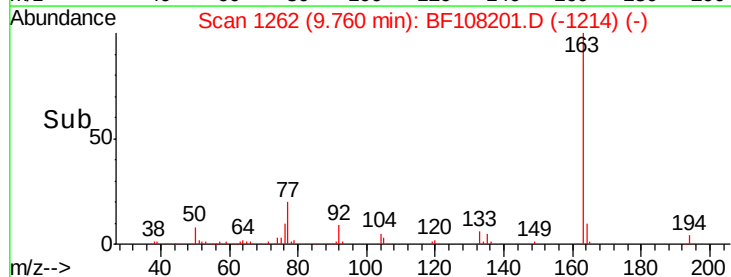
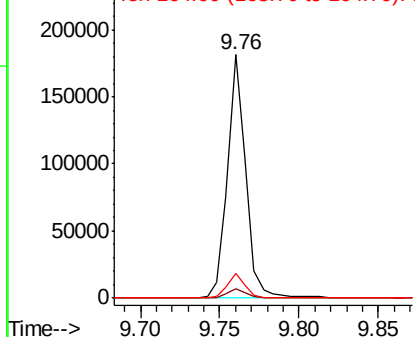


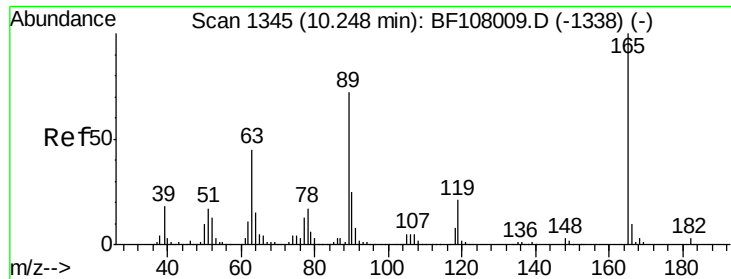
#49
Dimethylphthalate
Concen: 6.837 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108201.D
Acq: 16 Aug 2018 18:04

Tgt Ion:163 Resp: 144729
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 10.3 8.2 12.2



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

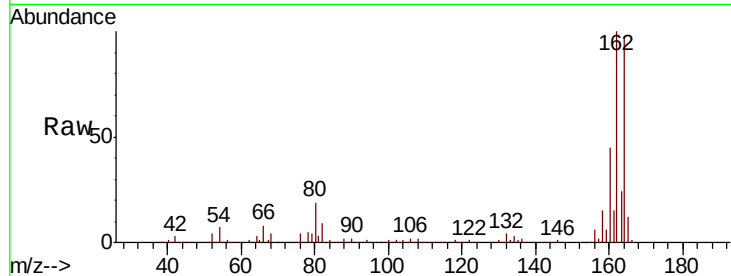




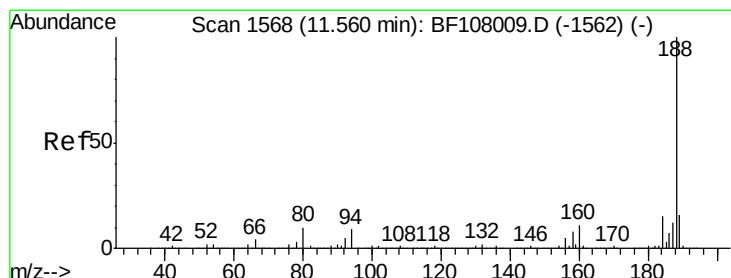
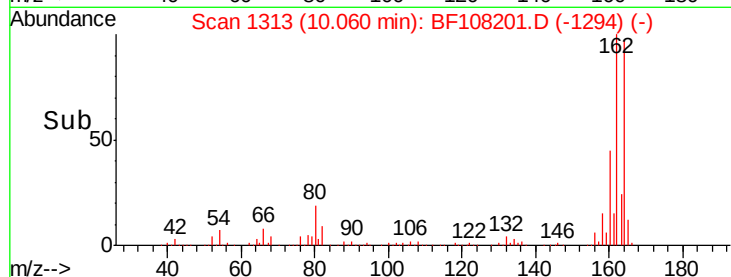
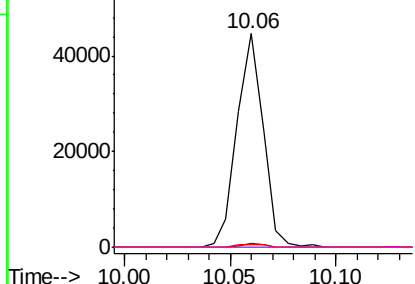
#56
 2,4-Dinitrotoluene
 Concen: 6.752 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108201.D
 Acq: 16 Aug 2018 18:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp: 38491
Ion Ratio	Lower Upper
165 100	
63 1.7	36.4 54.6#
89 1.3	57.8 86.6#
182 0.0	1.6 2.4#

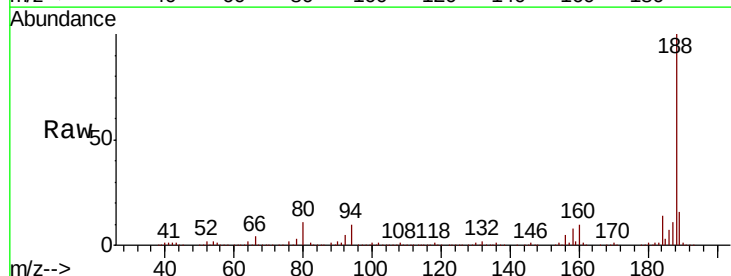


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

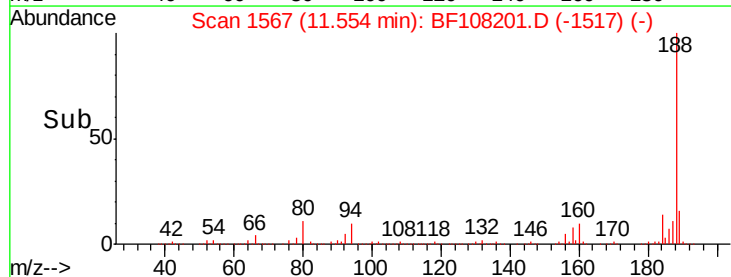
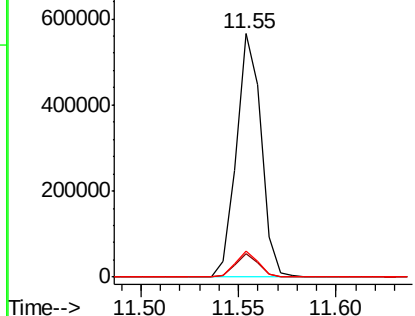


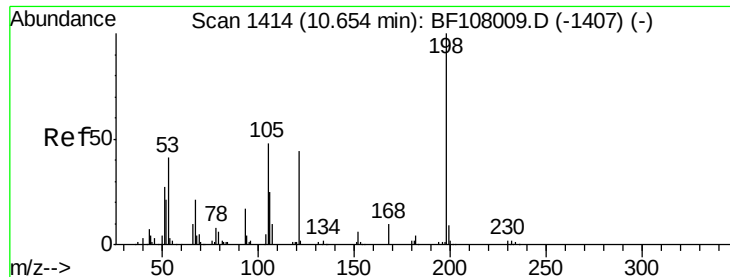
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108201.D
 Acq: 16 Aug 2018 18:04

Tgt	Ion:188	Resp:	498169
Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.6	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

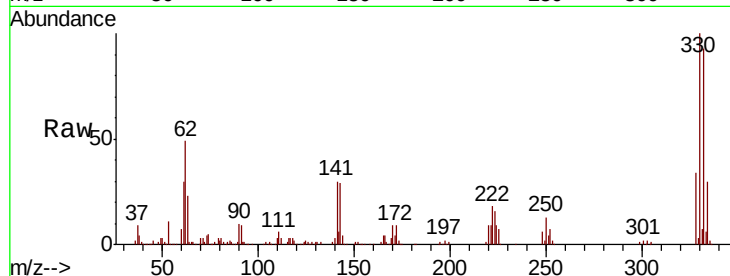




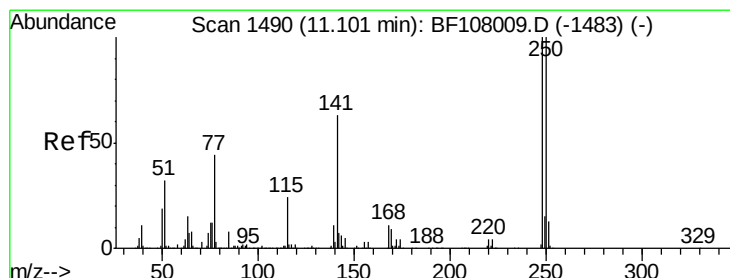
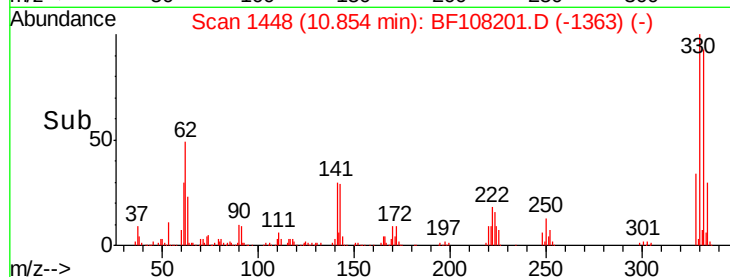
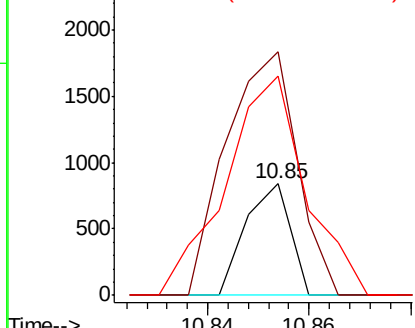
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.601 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. 0.20 min
 Lab File: BF108201.D
 Acq: 16 Aug 2018 18:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 511
 Ion Ratio Lower Upper
 198 100
 51 218.3 37.7 77.7#
 105 196.9 36.3 76.3#

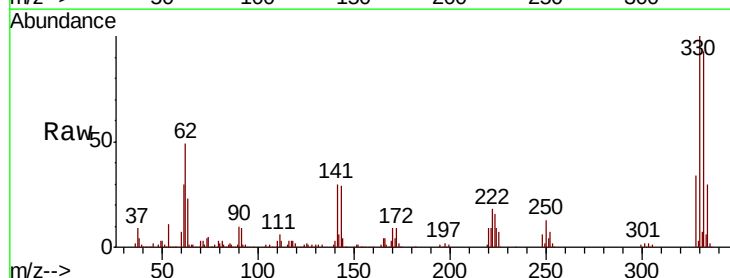


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

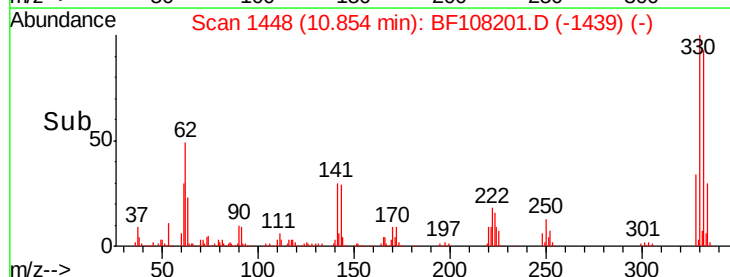
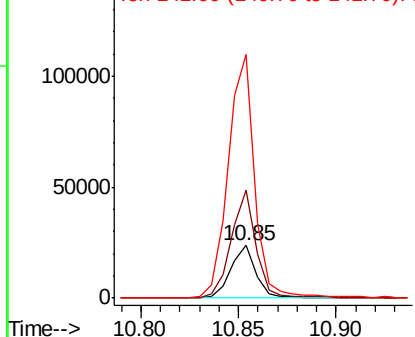


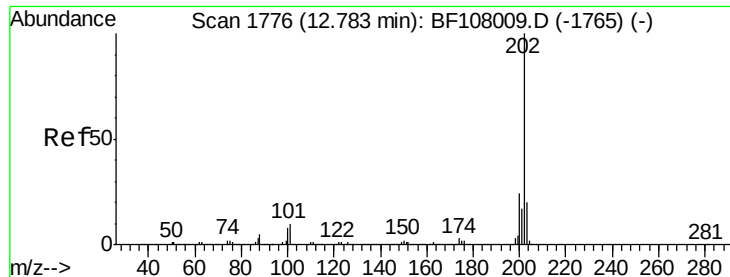
#66
 4-Bromophenyl-phenylether
 Concen: 3.878 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108201.D
 Acq: 16 Aug 2018 18:04

Tgt Ion:248 Resp: 20996
 Ion Ratio Lower Upper
 248 100
 250 206.1 76.9 115.3#
 141 465.0 74.4 111.6#



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

Fluoranthene

Concen: 2.003 ng

RT: 12.77 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF108201.D

Acq: 16 Aug 2018 18:04

Instrument :

BNA_F

ClientSampleId :

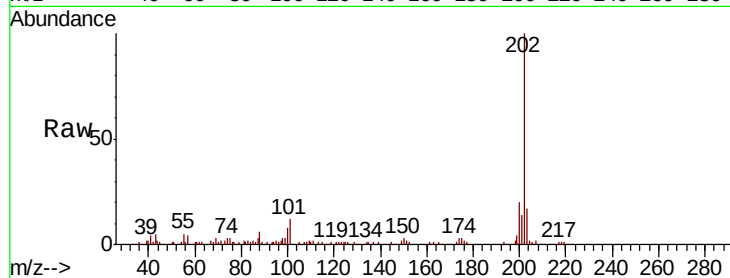
Tot Ion:202 Resp: 51377

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.1

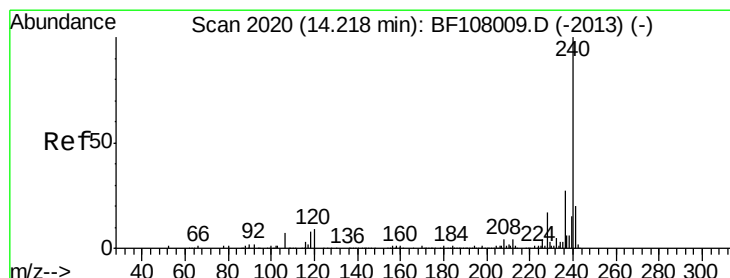
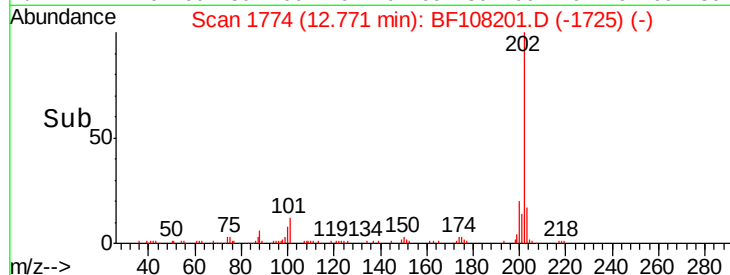
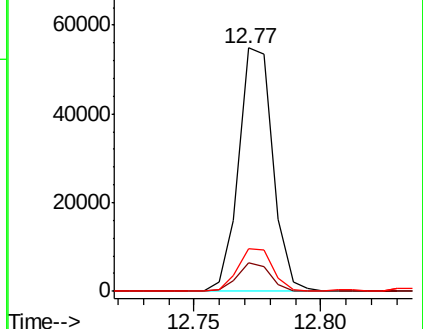
203 17.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF108201.D

Acq: 16 Aug 2018 18:04

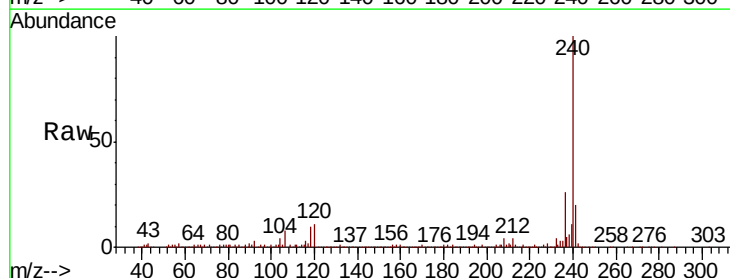
Tgt Ion:240 Resp: 415625

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

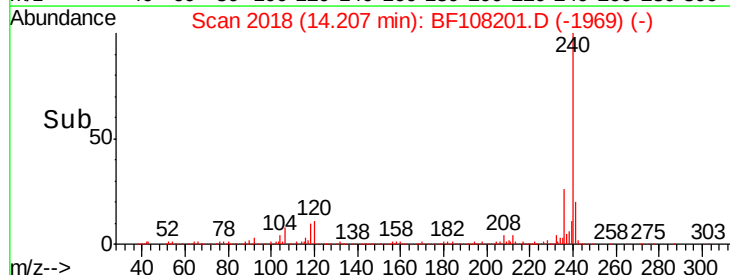
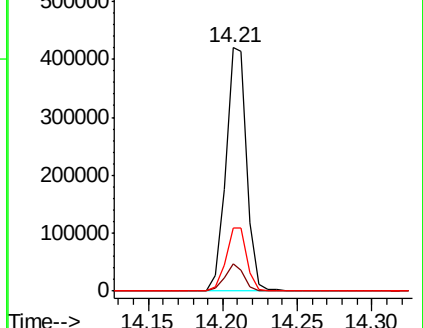
236 25.8 20.7 31.1

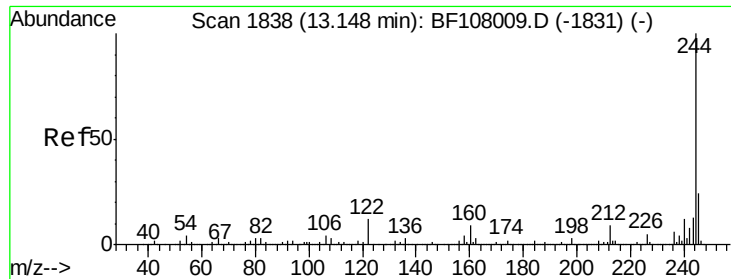


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 72.061 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108201.D

Acq: 16 Aug 2018 18:04

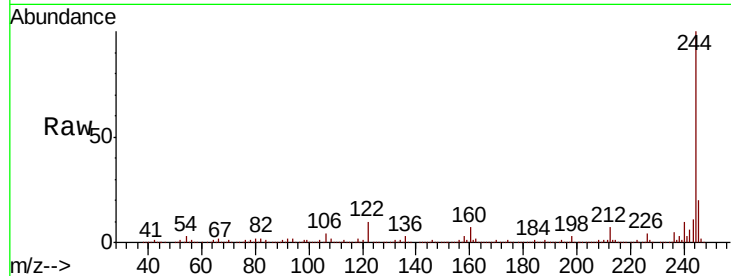
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1177958

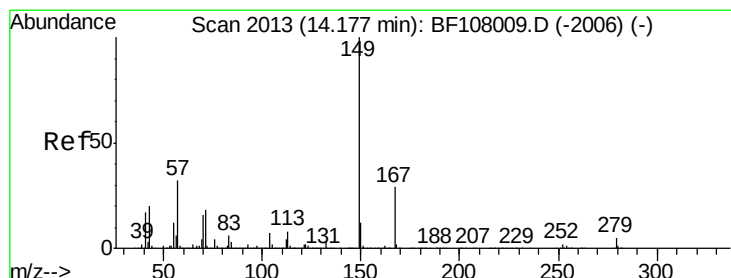
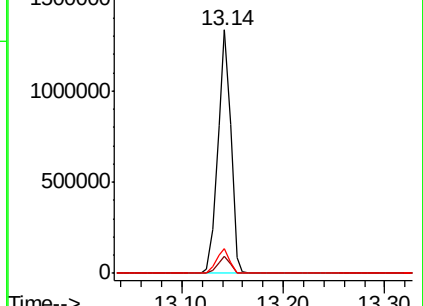
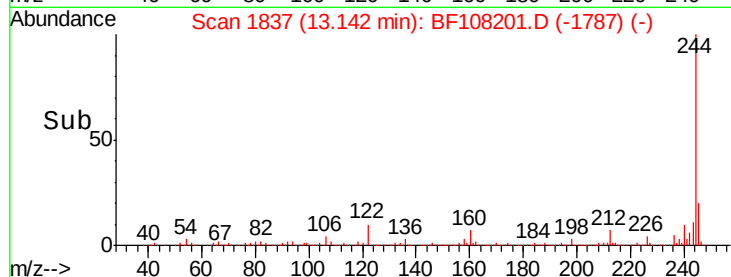
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	10.2	11.0	16.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.803 ng

RT: 14.17 min Scan# 2011

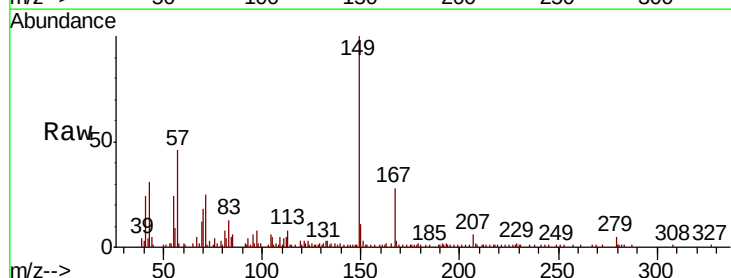
Delta R.T. -0.01 min

Lab File: BF108201.D

Acq: 16 Aug 2018 18:04

Tgt Ion:149 Resp: 39667

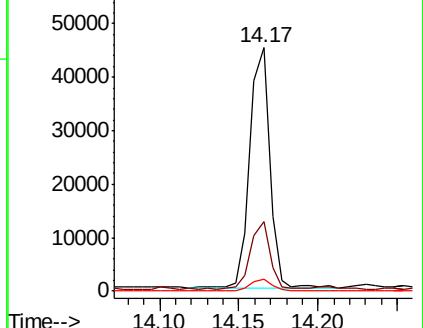
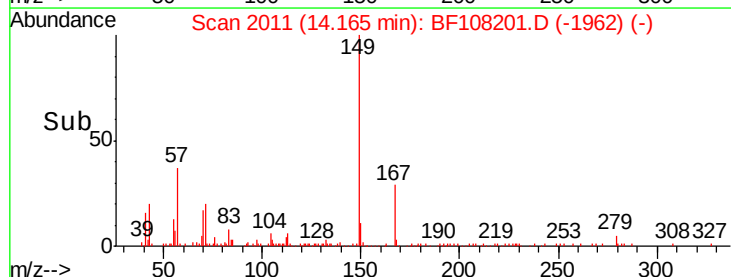
Ion	Ratio	Lower	Upper
149	100		
167	28.4	21.3	31.9
279	4.8	3.0	4.4

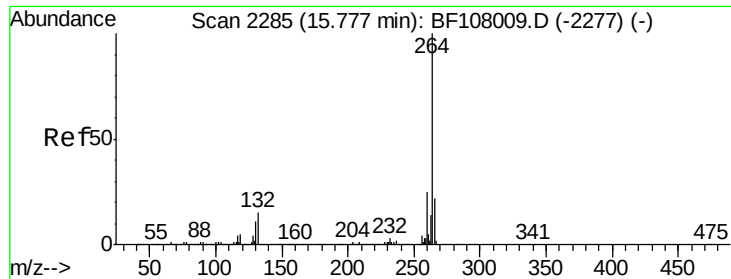


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

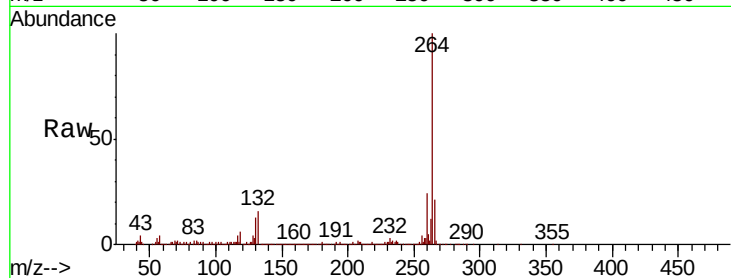




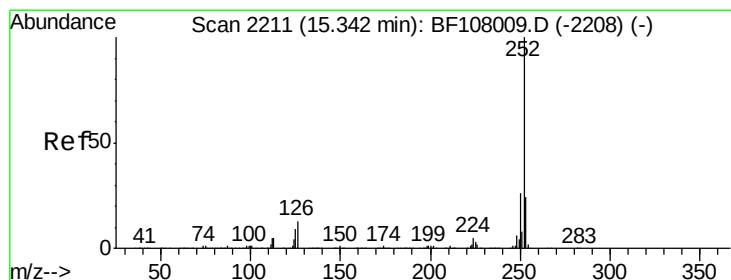
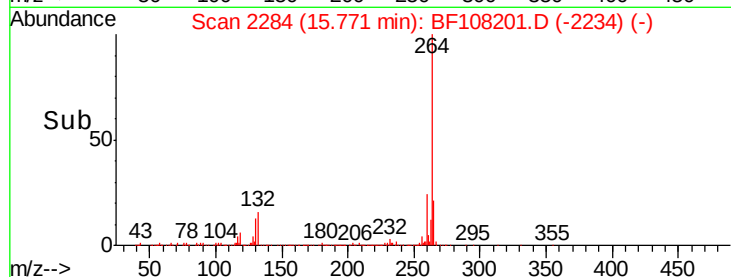
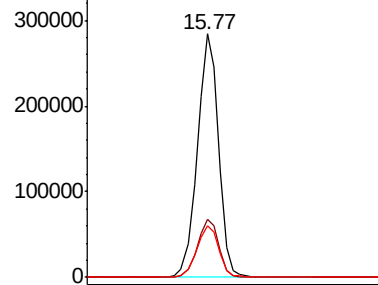
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108201.D
Acq: 16 Aug 2018 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.1	17.5	26.3

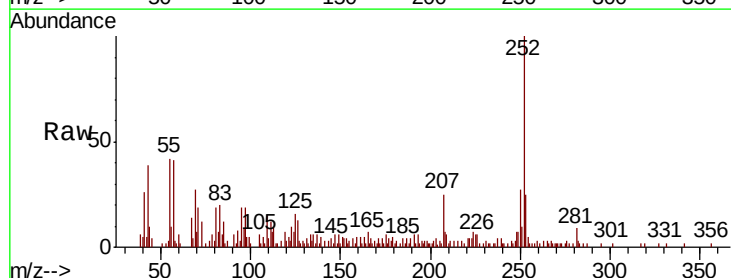


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88
Benzo(k)fluoranthene
Concen: 2.070 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF108201.D
Acq: 16 Aug 2018 18:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	16.5	10.2	15.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

