

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108335.D
 Acq On : 21 Aug 2018 13:30
 Operator : JU/SJ
 Sample : J4521-15RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12003

Quant Time: Aug 21 13:58:34 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

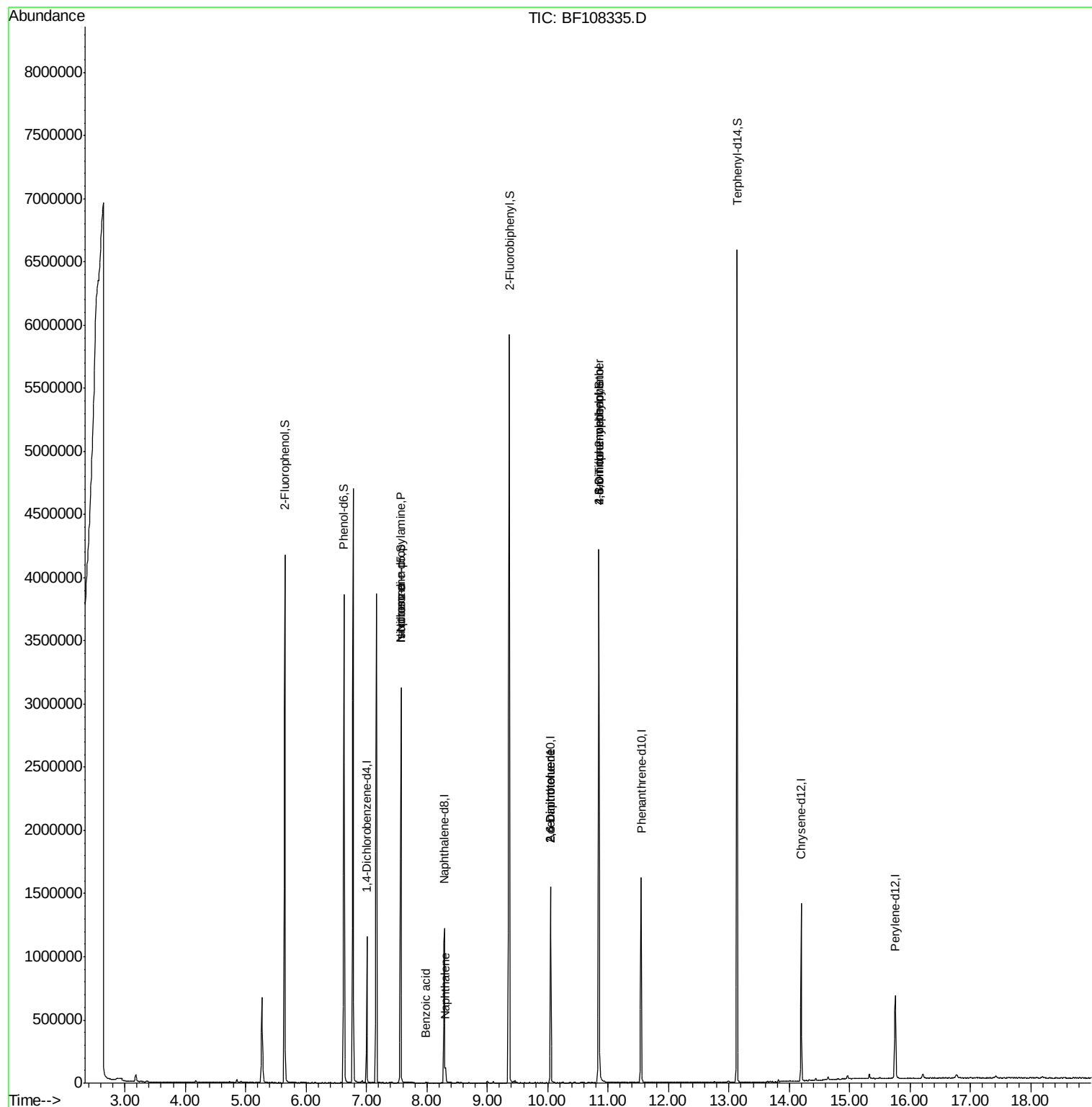
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	159454	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	592731	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	308774	20.00	ng	-0.02
63) Phenanthrene-d10	11.55	188	652978	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	500083	20.00	ng	-0.02
86) Perylene-d12	15.75	264	336412	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1145766	130.09	ng	0.02
7) Phenol-d6	6.63	99	1386014	118.42	ng	0.00
23) Nitrobenzene-d5	7.57	82	1145039	107.80	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	548984	178.24	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	2050840	106.63	ng	-0.01
78) Terphenyl-d14	13.14	244	2464679	125.31	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.57	70	155548	19.653	ng	# 81
25) Isophorone	7.57	82	1140598	56.336	ng	# 64
31) Naphthalene	8.31	128	59841	2.220	ng	# 99
32) Benzoic acid	7.98	122	434	6.047	ng	# 79
50) 2,6-Dinitrotoluene	10.05	165	39441	8.765	ng	# 26
56) 2,4-Dinitrotoluene	10.05	165	39441	6.809	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	1253	5.813	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	36899	5.200	ng	# 1

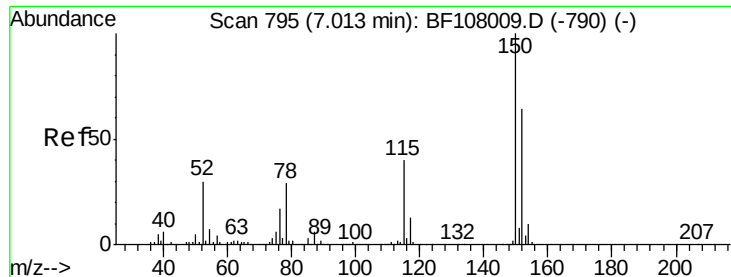
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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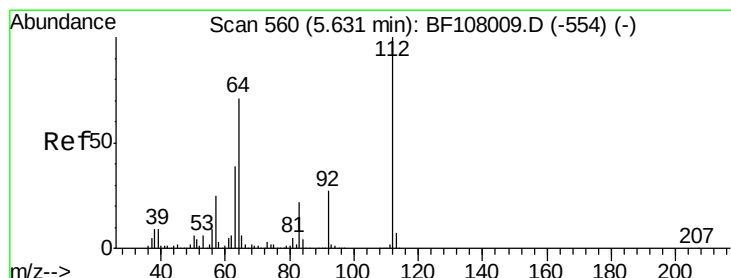
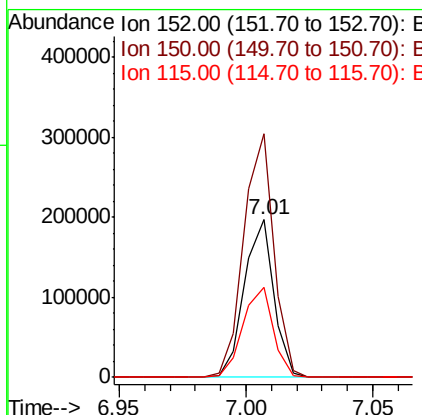
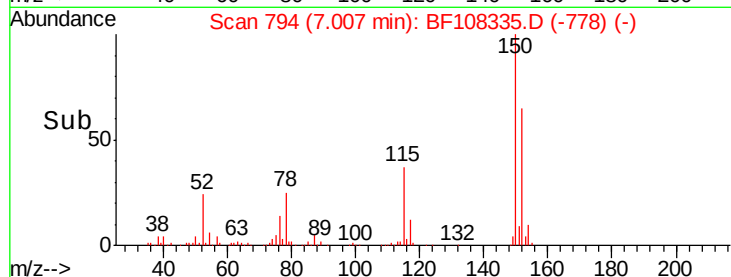
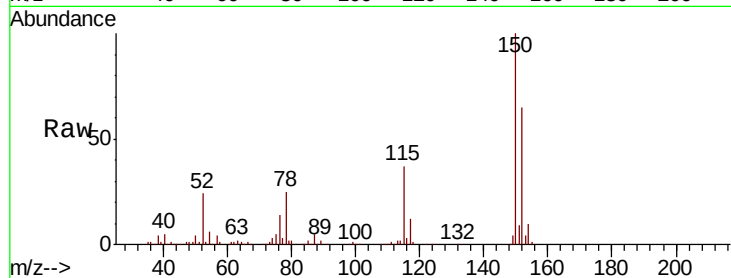


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF108335.D
Acq: 21 Aug 2018 13:30

Instrument :
BNA_F
ClientSampleId :
72-12003

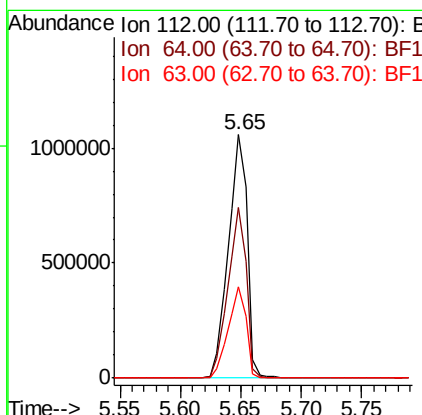
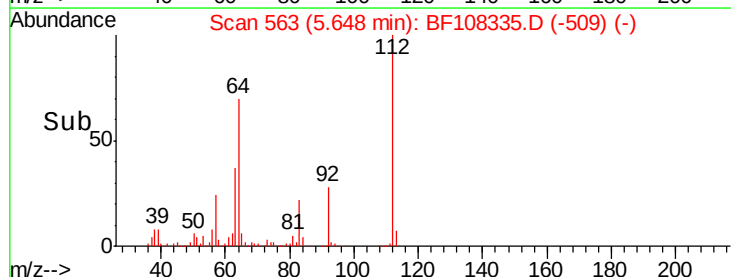
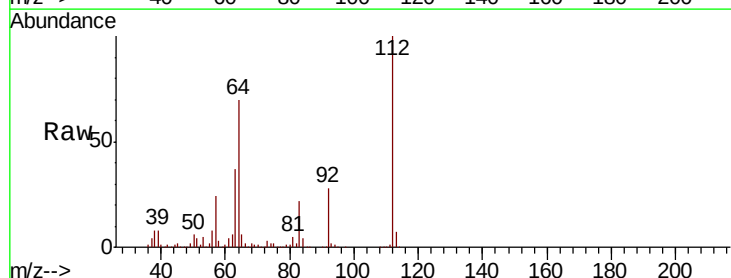
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	57.0	50.1	75.1

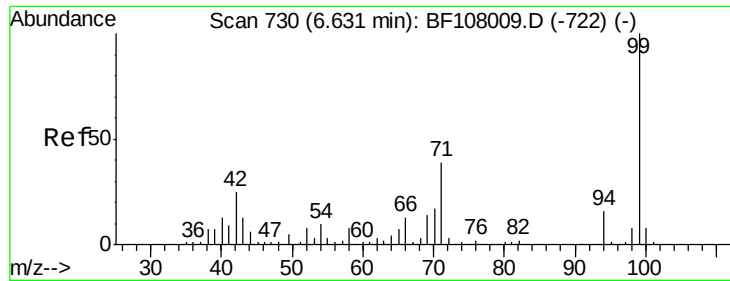


#5

2-Fluorophenol
Concen: 130.091 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108335.D
Acq: 21 Aug 2018 13:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.1	47.9	71.9
63	37.4	23.7	35.5#





#7

Phenol-d6

Concen: 118.424 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108335.D

Acq: 21 Aug 2018 13:30

Instrument :

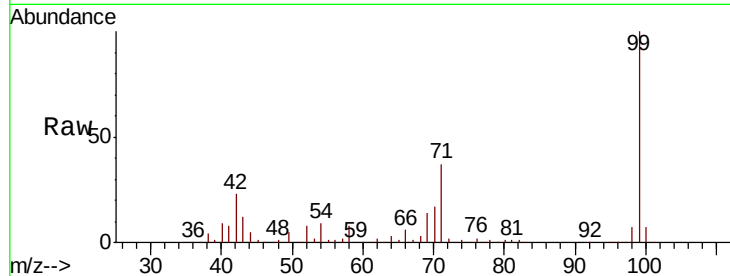
BNA_F

ClientSampleId :

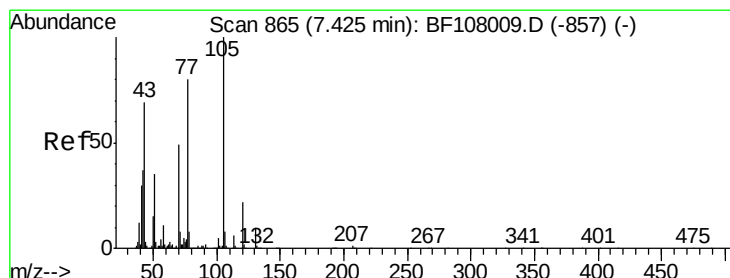
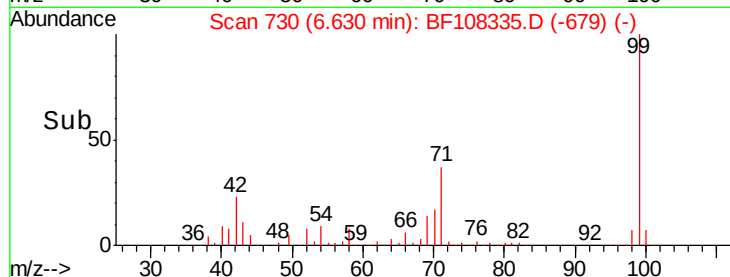
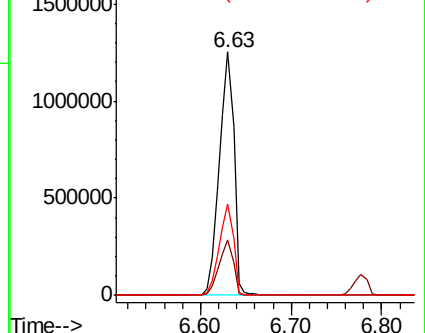
72-12003

Tot Ion: 99 Resp: 1386014

Ion	Ratio	Lower	Upper
99	100		
42	22.9	14.5	21.7#
71	37.4	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



#19

n-Nitroso-di-n-propylamine

Concen: 19.653 ng

RT: 7.57 min Scan# 890

Delta R.T. 0.15 min

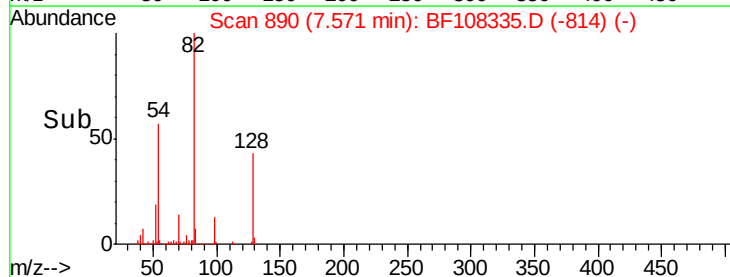
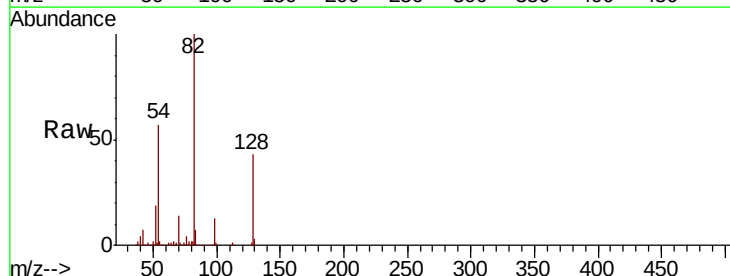
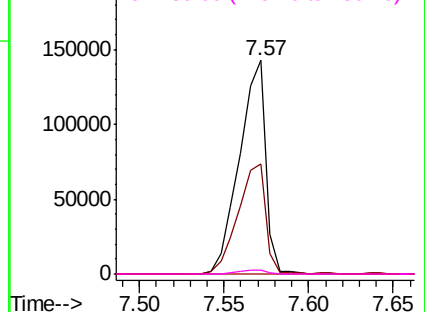
Lab File: BF108335.D

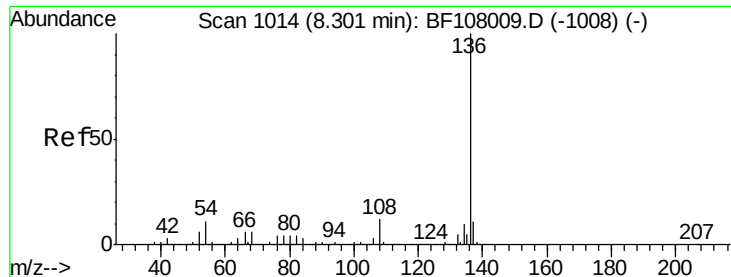
Acq: 21 Aug 2018 13:30

Tgt Ion: 70 Resp: 155548

Ion	Ratio	Lower	Upper
70	100		
42	51.3	47.5	71.3
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#

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

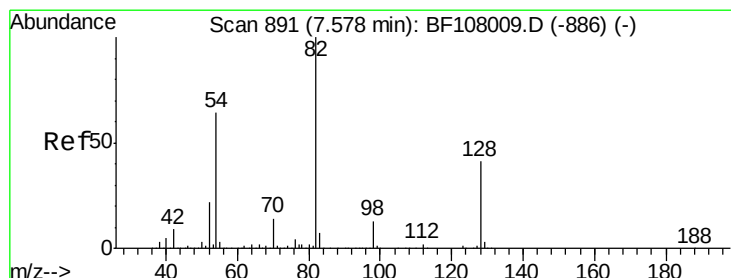
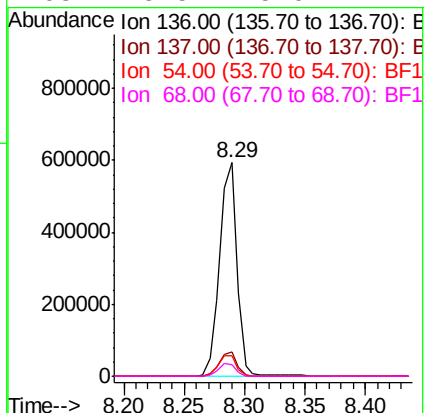
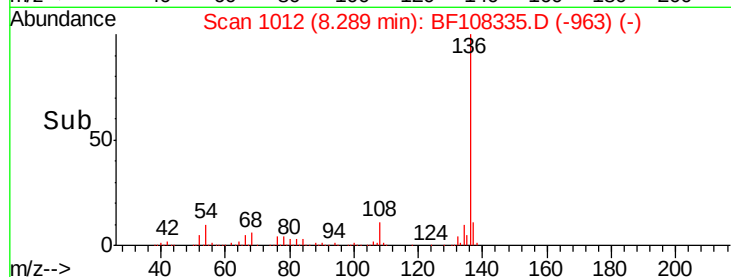
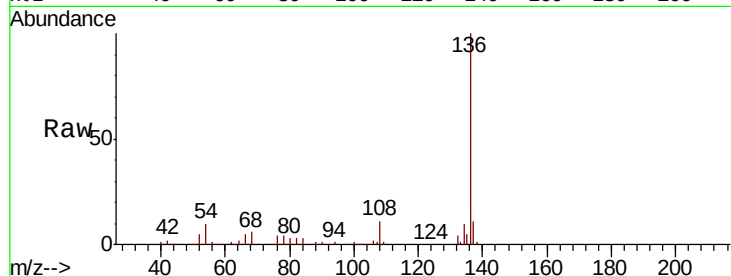




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.29 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF108335.D
Acq: 21 Aug 2018 13:30

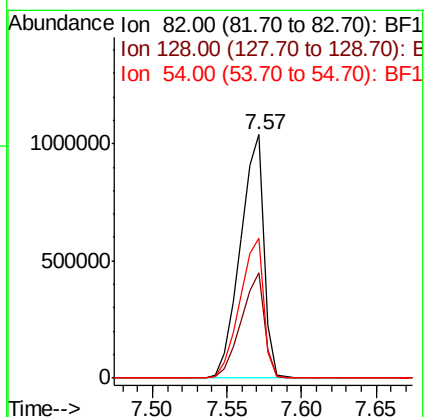
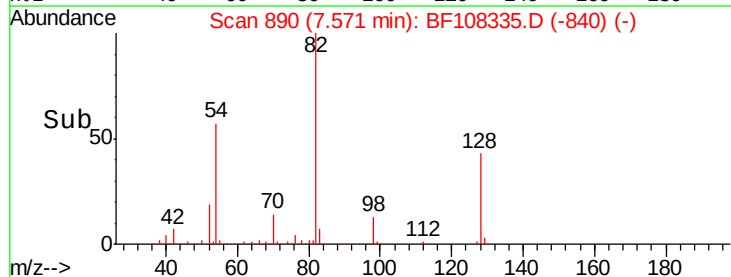
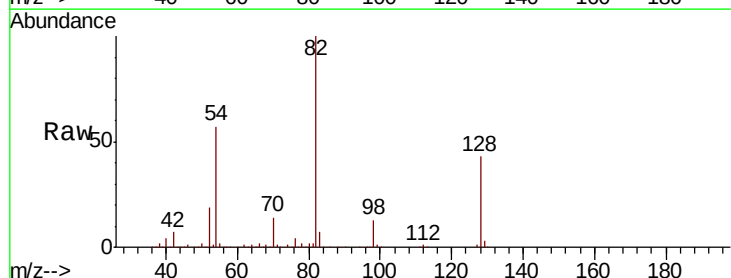
Instrument :
BNA_F
ClientSampleId :
72-12003

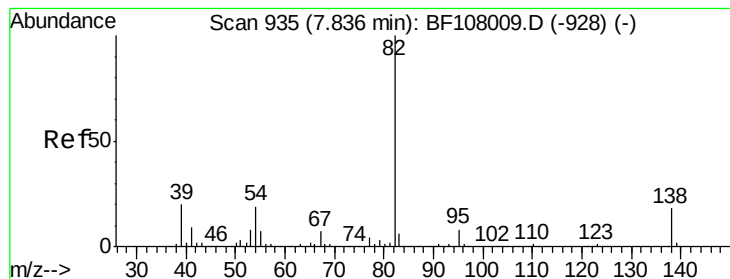
Tot Ion:136	Resp:	592731
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.9 13.3
54	9.8	6.6 9.8
68	5.5	5.0 7.4



#23
Nitrobenzene-d5
Concen: 107.797 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108335.D
Acq: 21 Aug 2018 13:30

Tgt Ion: 82	Resp:	1145039
Ion	Ratio	Lower Upper
82	100	
128	43.4	36.1 54.1
54	57.3	41.4 62.2





#25

Isophorone

Concen: 56.336 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.26 min

Lab File: BF108335.D

Acq: 21 Aug 2018 13:30

Instrument :

BNA_F

ClientSampled :

72-12003

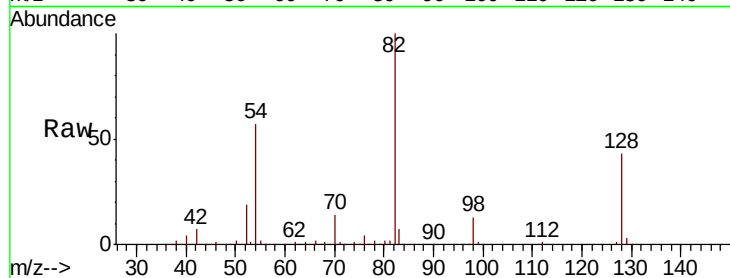
Tot Ion: 82 Resp: 1140598

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

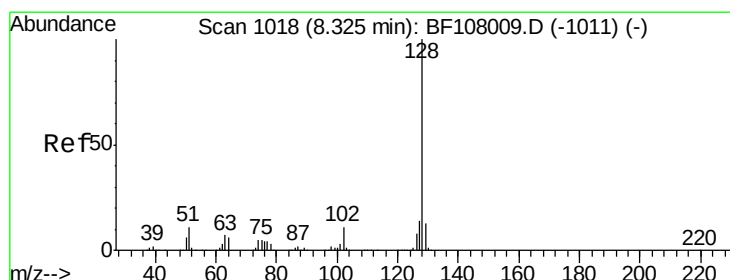
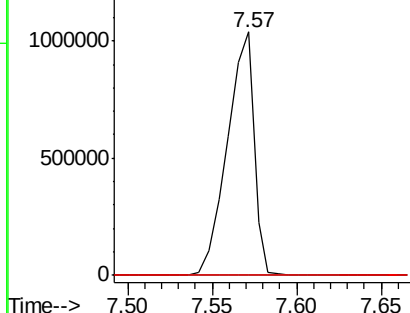
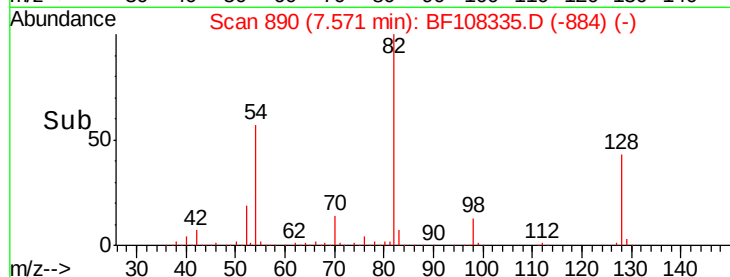
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 2.220 ng

RT: 8.31 min Scan# 1015

Delta R.T. -0.02 min

Lab File: BF108335.D

Acq: 21 Aug 2018 13:30

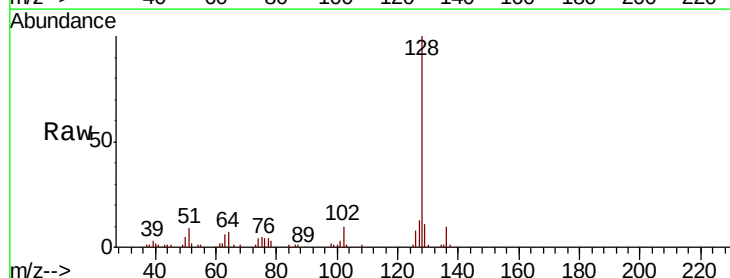
Tgt Ion: 128 Resp: 59841

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

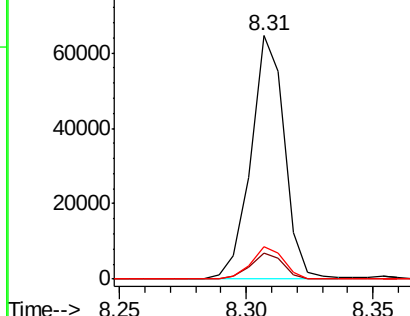
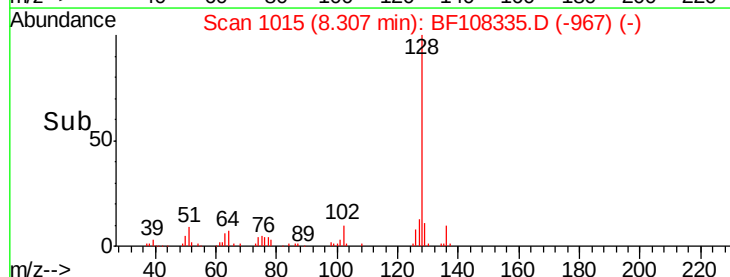
127 13.1 10.9 16.3

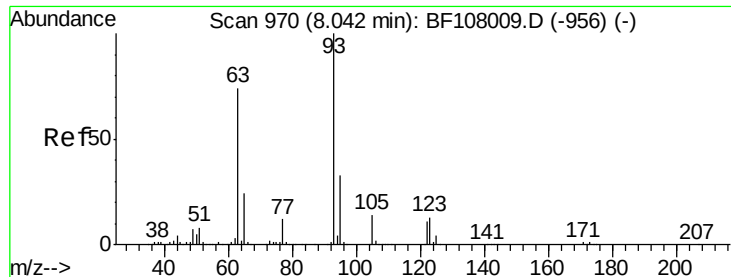


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 6.047 ng

RT: 7.98 min Scan# 960

Delta R.T. -0.06 min

Lab File: BF108335.D

Acq: 21 Aug 2018 13:30

Instrument :

BNA_F

ClientSampleId :

72-12003

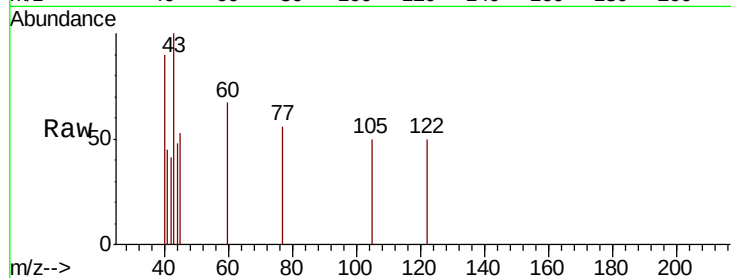
Tot Ion:122 Resp: 434

Ion Ratio Lower Upper

122 100

105 100.2 101.1 141.1#

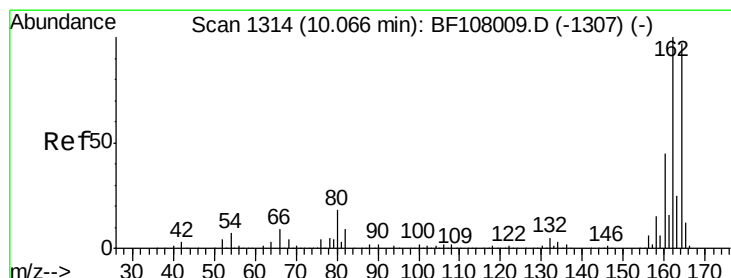
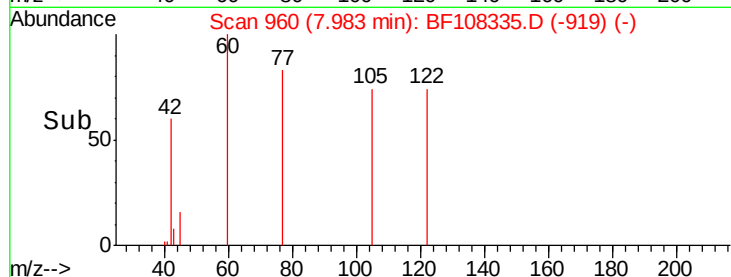
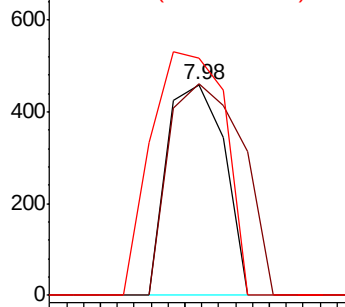
77 112.6 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.05 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BF108335.D

Acq: 21 Aug 2018 13:30

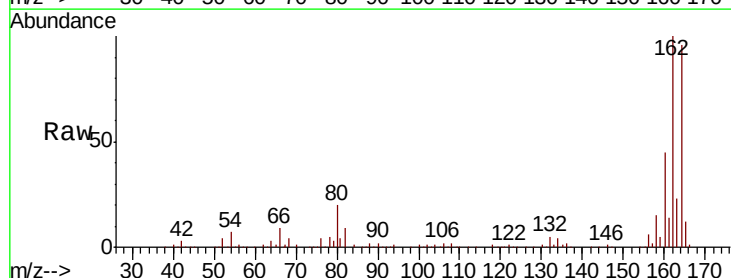
Tgt Ion:164 Resp: 308774

Ion Ratio Lower Upper

164 100

162 104.1 86.1 129.1

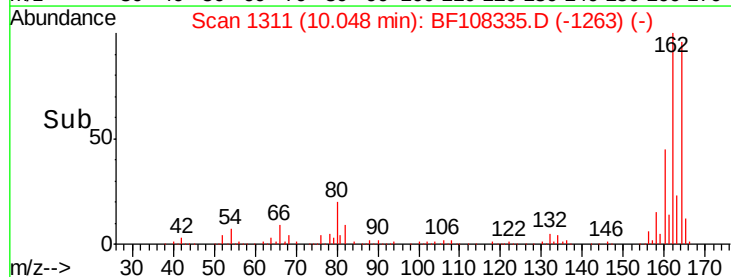
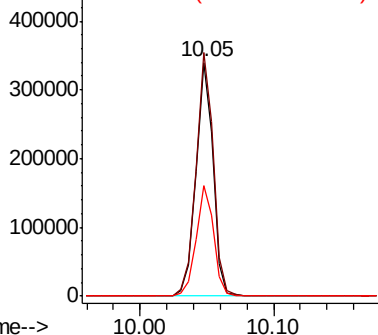
160 47.3 38.3 57.5

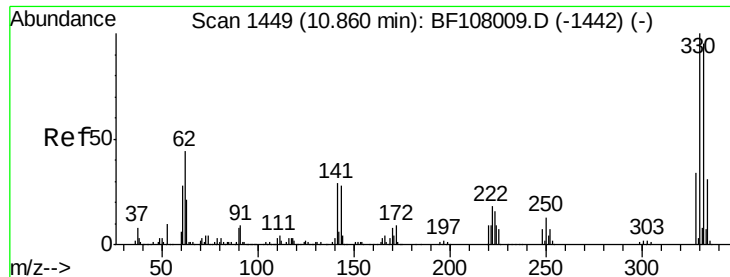


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

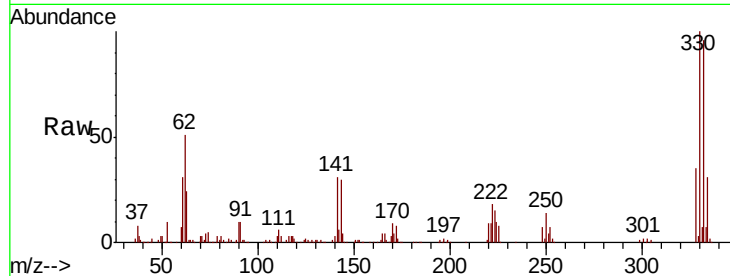




#41
 2,4,6-Tribromophenol
 Concen: 178.245 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF108335.D
 Acq: 21 Aug 2018 13:30

Instrument :
 BNA_F
 ClientSampleId :
 72-12003

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	31.8	29.9	44.9

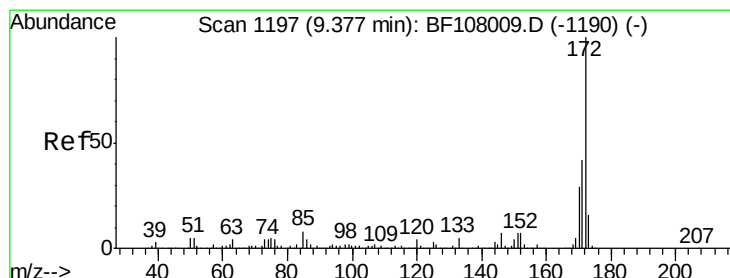
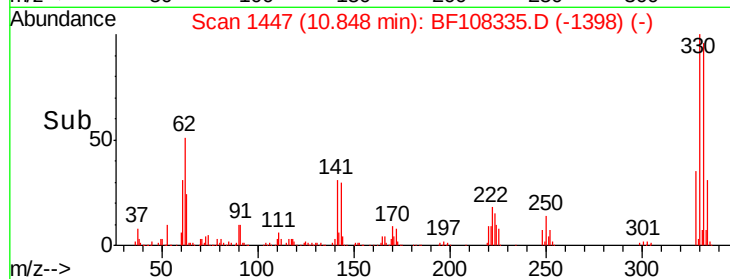
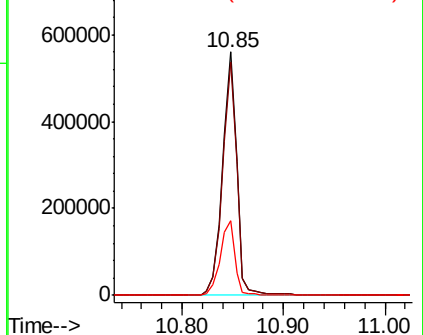


Abundance

Ion 329.80 (329.50 to 330.50): E

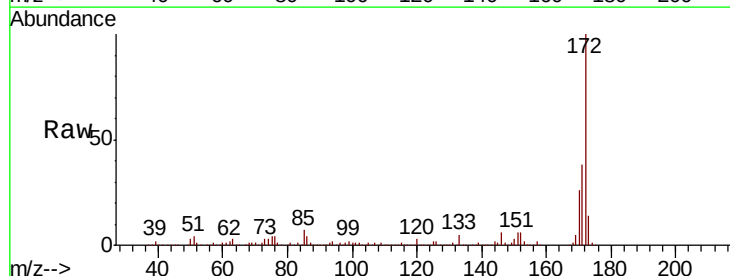
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 106.633 ng
 RT: 9.37 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF108335.D
 Acq: 21 Aug 2018 13:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	29.7	44.5
170	25.8	19.6	29.4

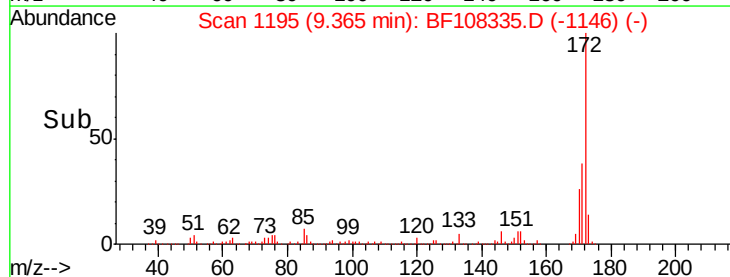
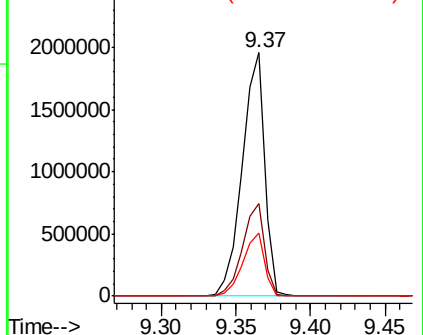


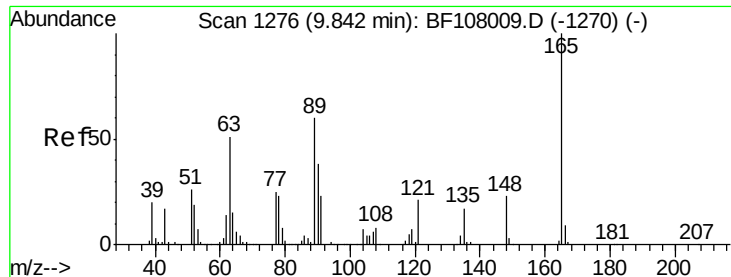
Abundance

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

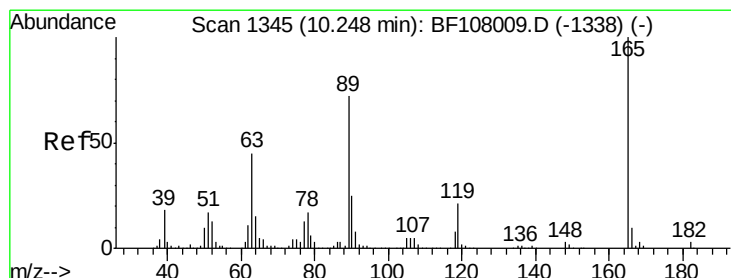
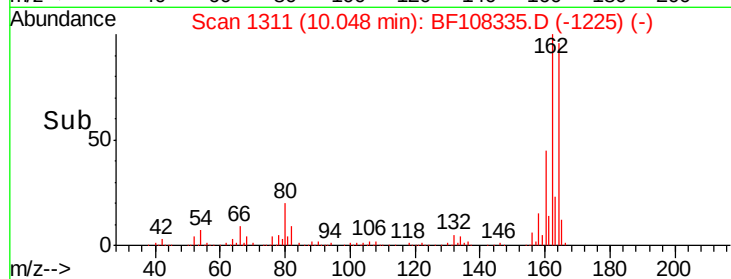
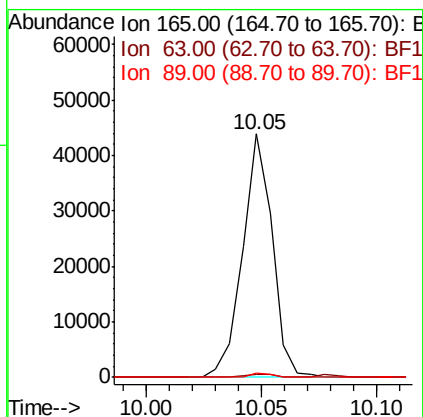
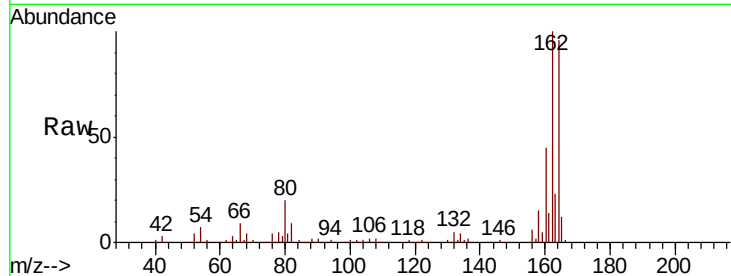




#50
 2,6-Dinitrotoluene
 Concen: 8.765 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. 0.21 min
 Lab File: BF108335.D
 Acq: 21 Aug 2018 13:30

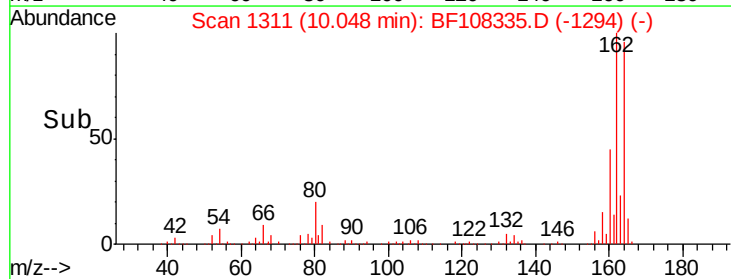
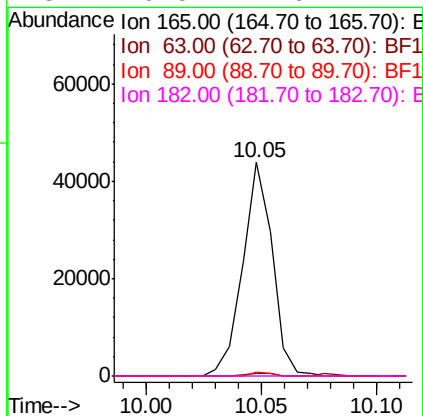
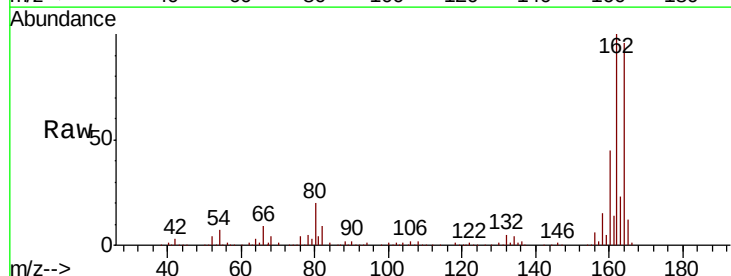
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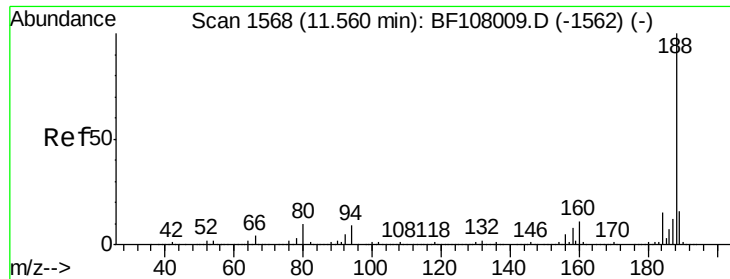
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.809 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.20 min
 Lab File: BF108335.D
 Acq: 21 Aug 2018 13:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

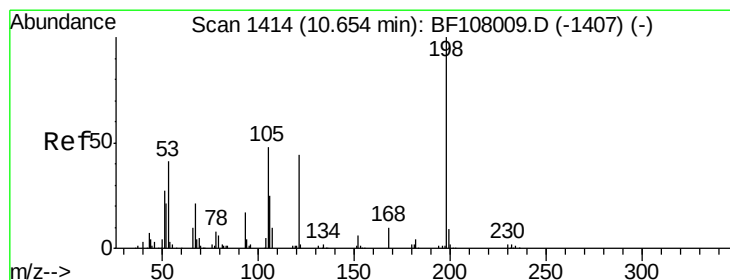
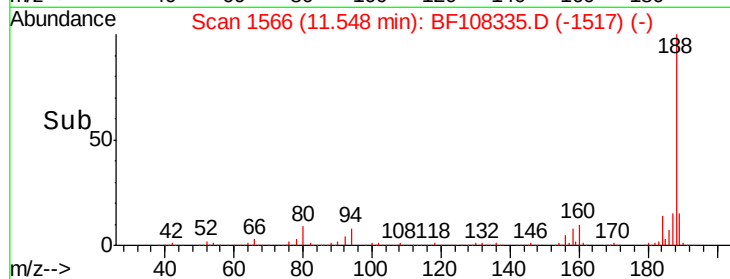
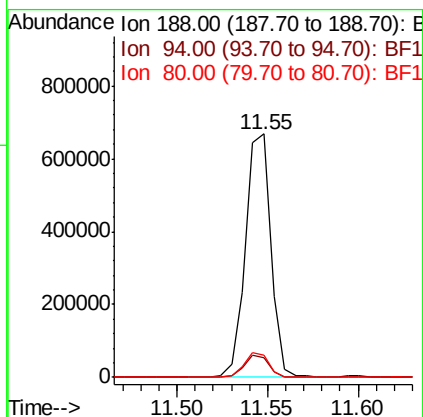
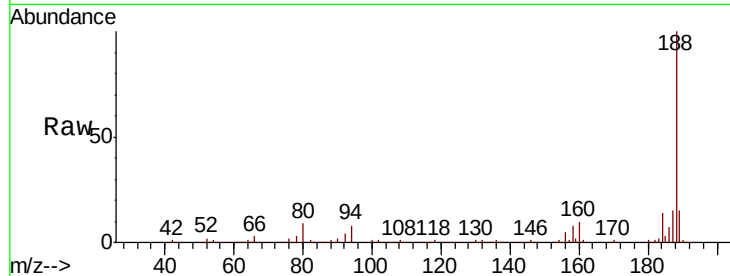




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF108335.D
 Acq: 21 Aug 2018 13:30

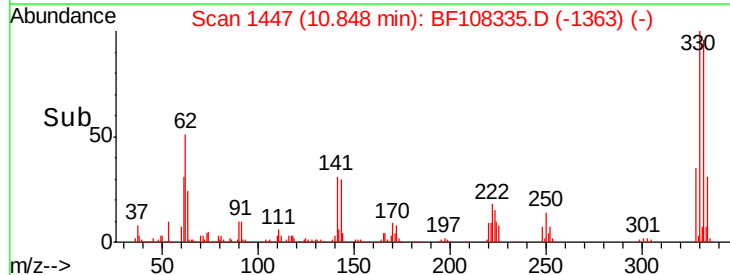
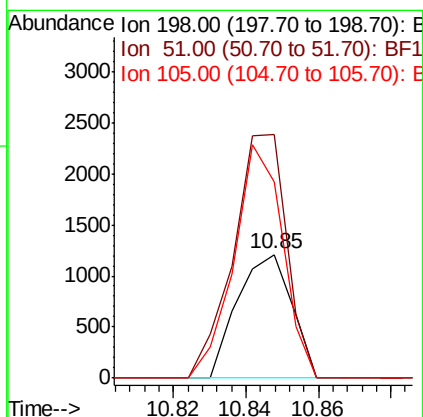
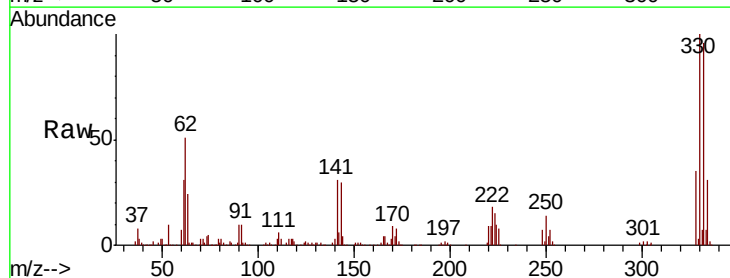
Instrument :
 BNA_F
 ClientSampleId :
 72-12003

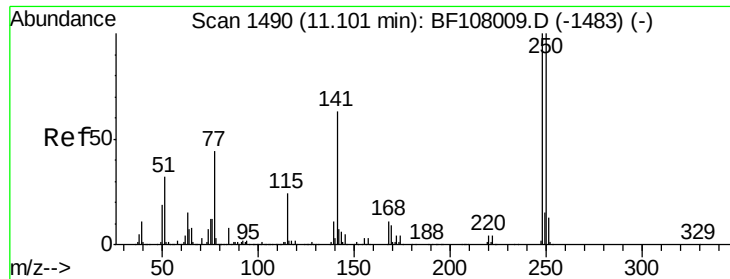
Tot Ion:188 Resp: 652978
 Ion Ratio Lower Upper
 188 100
 94 8.1 8.5 12.7#
 80 9.1 9.2 13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.813 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. 0.19 min
 Lab File: BF108335.D
 Acq: 21 Aug 2018 13:30

Tgt Ion:198 Resp: 1253
 Ion Ratio Lower Upper
 198 100
 51 197.4 37.7 77.7#
 105 159.6 36.3 76.3#

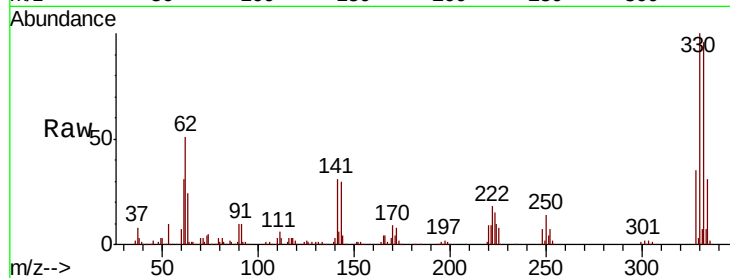




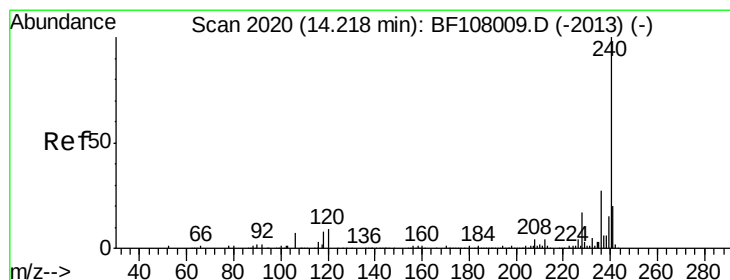
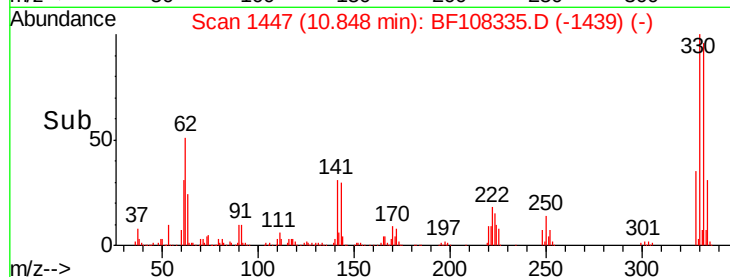
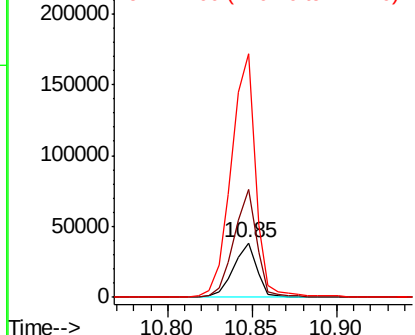
#66
4-Bromophenyl-phenylether
Concen: 5.200 ng
RT: 10.85 min Scan# 1447
Delta R.T. -0.25 min
Lab File: BF108335.D
Acq: 21 Aug 2018 13:30

Instrument :
BNA_F
ClientSampleId :
72-12003

Tot Ion:248 Resp: 36899
Ion Ratio Lower Upper
248 100
250 200.0 76.9 115.3#
141 449.2 74.4 111.6#

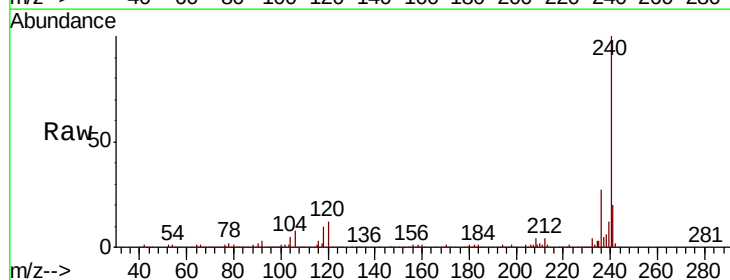


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

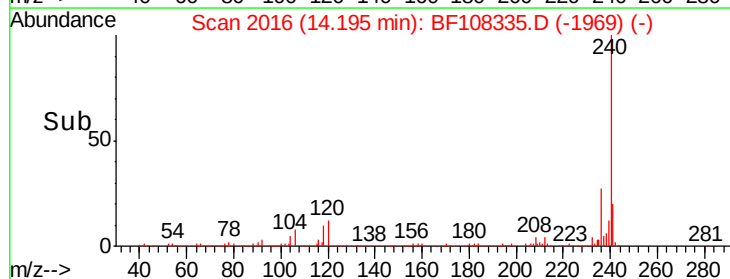
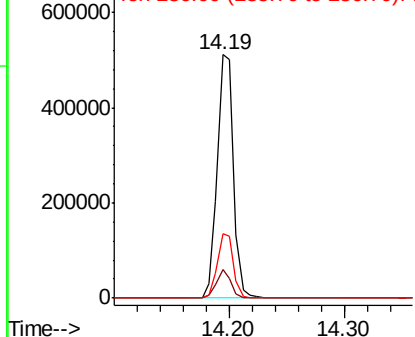


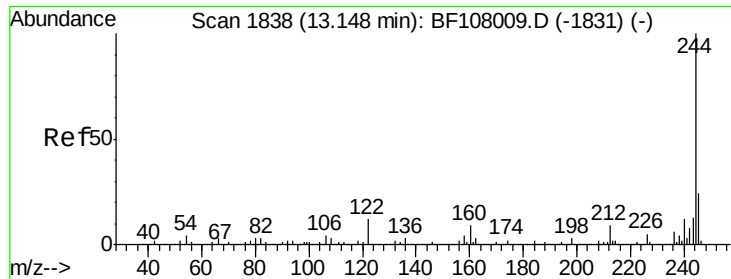
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.02 min
Lab File: BF108335.D
Acq: 21 Aug 2018 13:30

Tgt Ion:240 Resp: 500083
Ion Ratio Lower Upper
240 100
120 11.5 9.5 14.3
236 26.7 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: 125.312 ng

RT: 13.14 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF108335.D

Acq: 21 Aug 2018 13:30

Instrument :

BNA_F

ClientSampleId :

72-12003

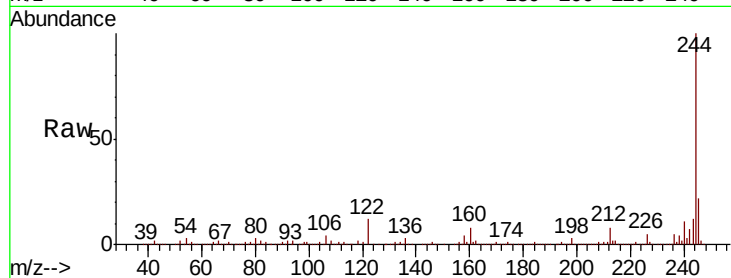
Tot Ion:244 Resp: 2464679

Ion Ratio Lower Upper

244 100

212 8.0 5.4 8.0

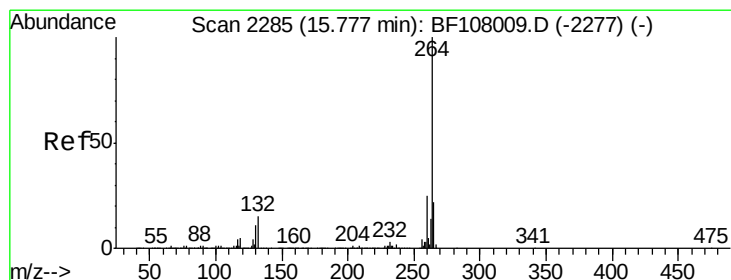
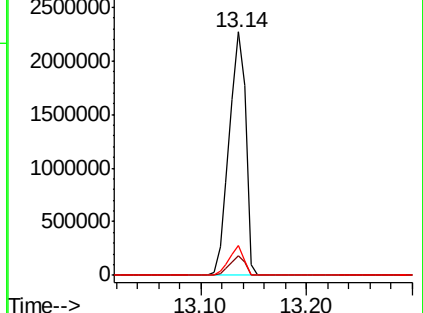
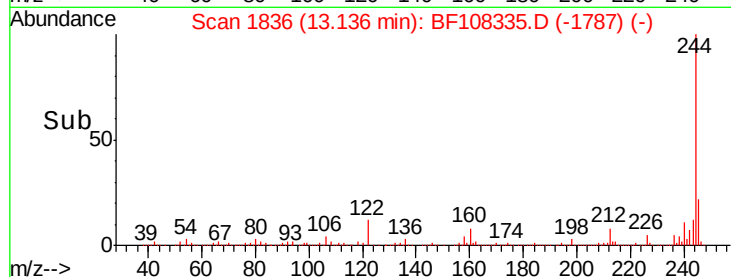
122 12.2 11.0 16.4



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: 15.75 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BF108335.D

Acq: 21 Aug 2018 13:30

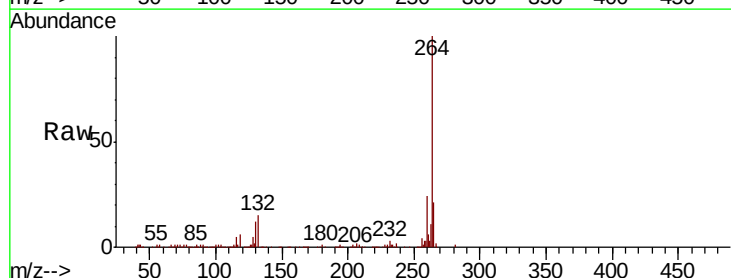
Tgt Ion:264 Resp: 336412

Ion Ratio Lower Upper

264 100

260 23.7 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

