

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
 Data File : BF108322.D
 Acq On : 21 Aug 2018 6:48
 Operator : JU/SJ
 Sample : J4521-03RE
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2286

Quant Time: Aug 21 10:40:30 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

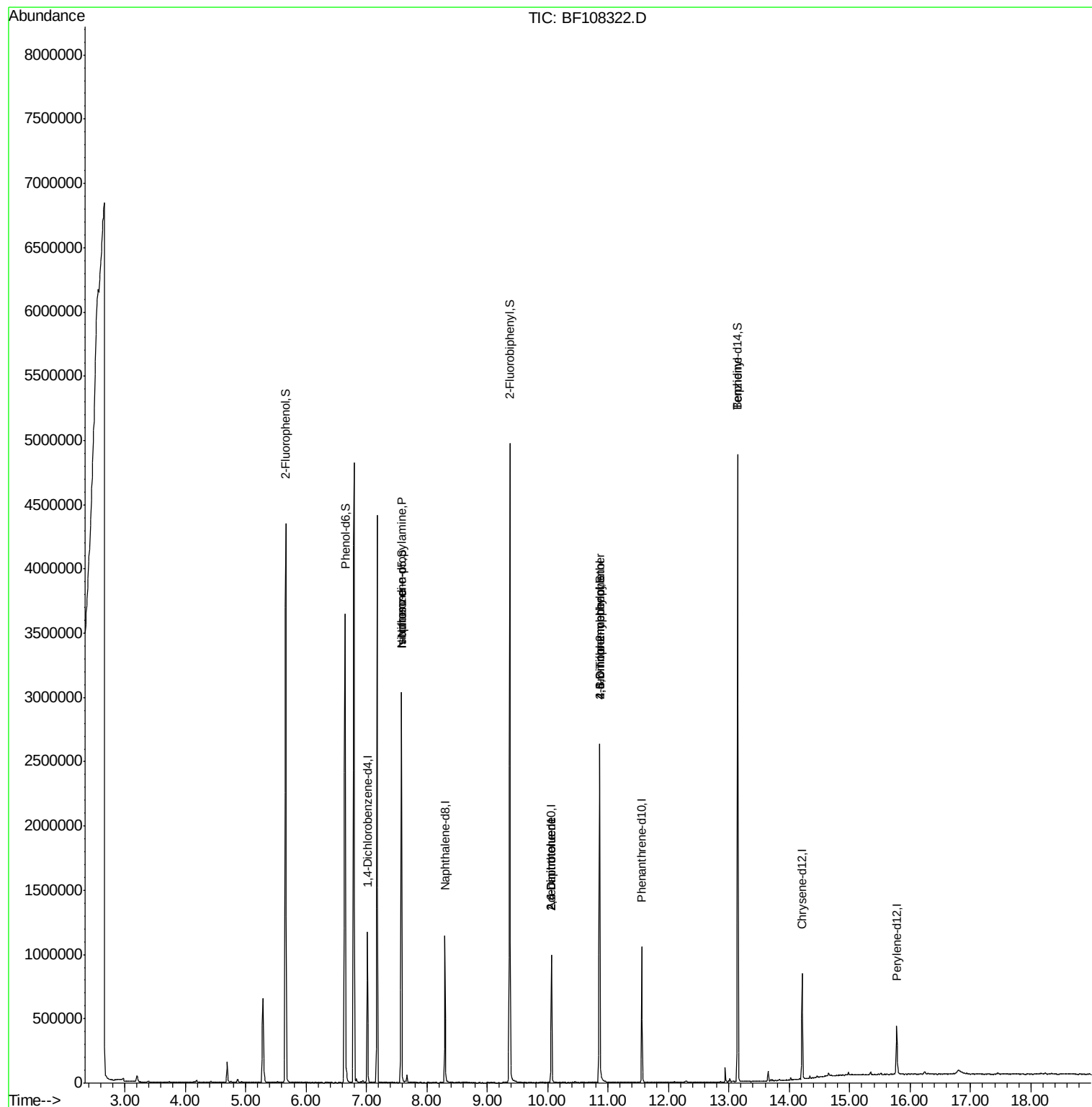
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	152971	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	510851	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	213524	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	383058	20.00	ng	0.00
75) Chrysene-d12	14.21	240	272677	20.00	ng	0.00
86) Perylene-d12	15.78	264	204467	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	1183788	140.10	ng	0.04
7) Phenol-d6	6.65	99	1392564	124.03	ng	0.02
23) Nitrobenzene-d5	7.58	82	1048439	114.52	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	354589	166.49	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1769835	133.07	ng	0.00
78) Terphenyl-d14	13.15	244	1672150	155.92	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	143916	18.954	ng	# 80
25) Isophorone	7.58	82	1048417	60.083	ng	# 64
50) 2,6-Dinitrotoluene	10.06	165	27021	8.683	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	27021	6.746	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.86	198	862	5.891	ng	# 1
66) 4-Bromophenyl-phenylether	10.86	248	23213	5.576	ng	# 1
76) Benzidine	13.15	184	21806	2.140	ng	97

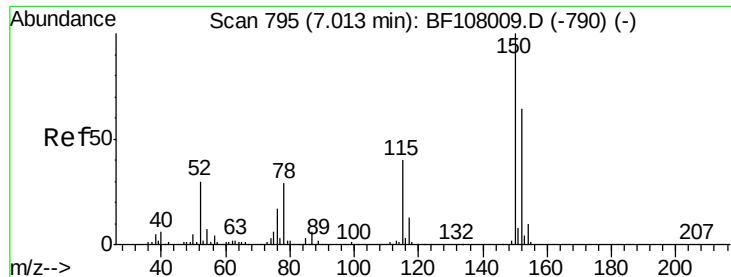
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108322.D
Acq On : 21 Aug 2018 6:48
Operator : JU/SJ
Sample : J4521-03RE
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT2286

Quant Time: Aug 21 10:40:30 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



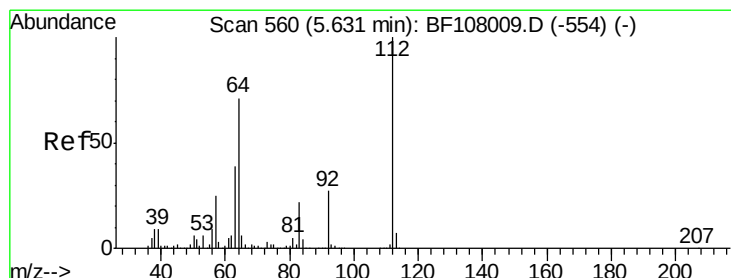
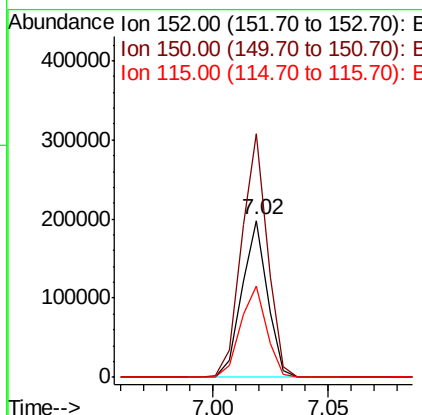
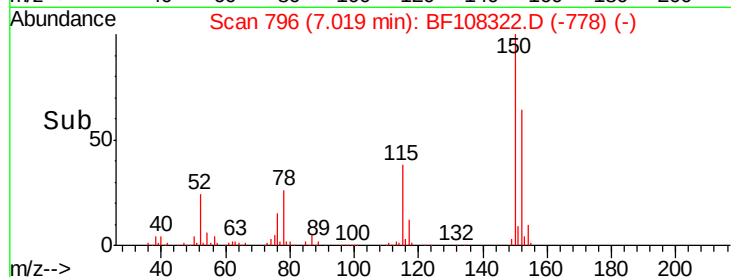
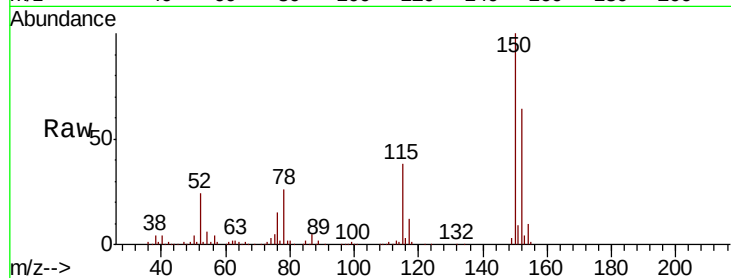


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108322.D
Acq: 21 Aug 2018 6:48

Instrument :
BNA_F
ClientSampleId :
RT2286

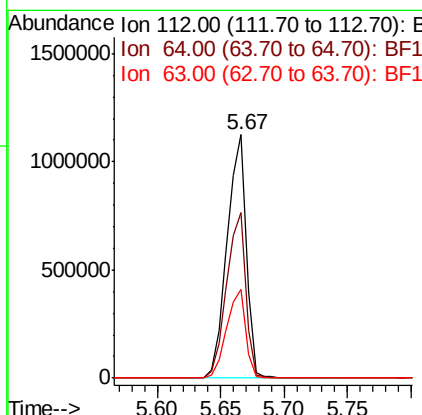
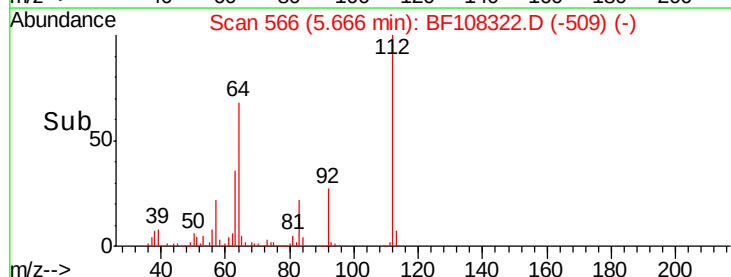
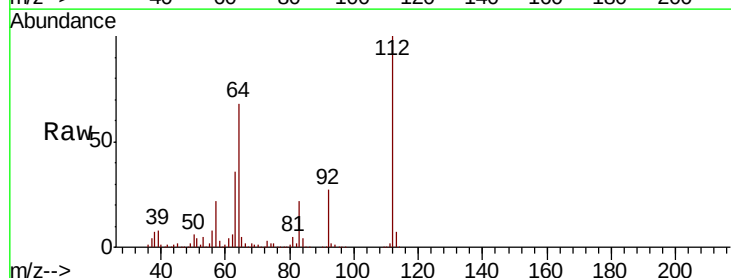
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	58.2	50.1	75.1

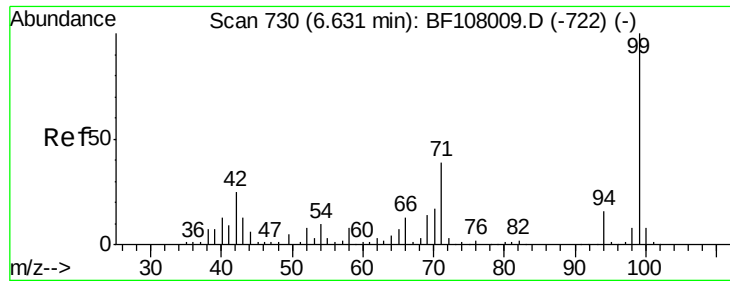


#5

2-Fluorophenol
Concen: 140.105 ng
RT: 5.67 min Scan# 566
Delta R.T. 0.04 min
Lab File: BF108322.D
Acq: 21 Aug 2018 6:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.8	47.9	71.9
63	36.5	23.7	35.5#





#7

Phenol-d6

Concen: 124.026 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.02 min

Lab File: BF108322.D

Acq: 21 Aug 2018 6:48

Instrument :

BNA_F

ClientSampleId :

RT2286

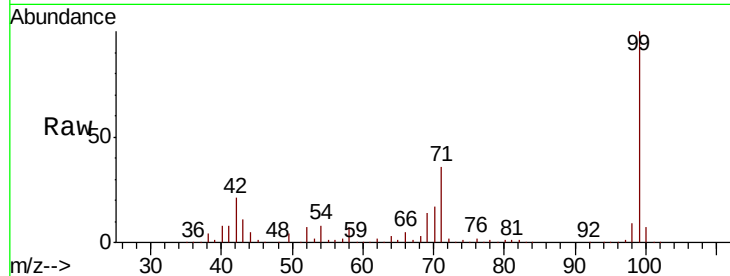
Tot Ion: 99 Resp: 1392564

Ion Ratio Lower Upper

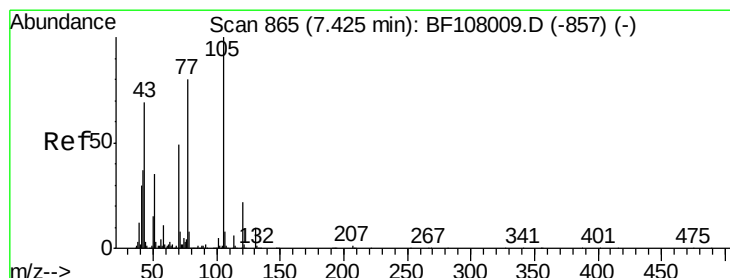
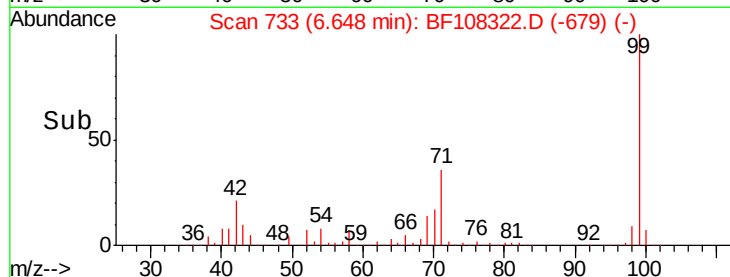
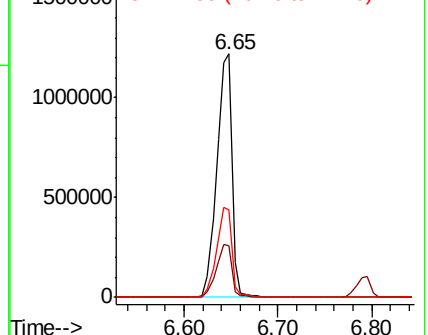
99 100

42 21.1 14.5 21.7

71 35.7 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: 18.954 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.16 min

Lab File: BF108322.D

Acq: 21 Aug 2018 6:48

Tgt Ion: 70 Resp: 143916

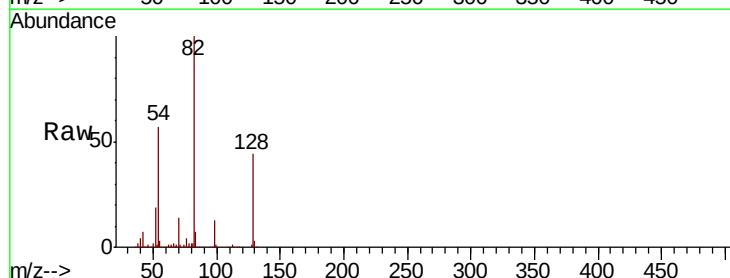
Ion Ratio Lower Upper

70 100

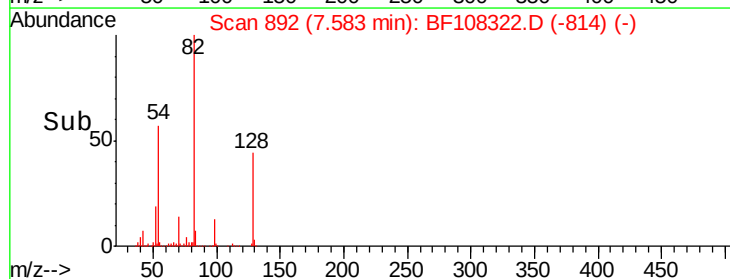
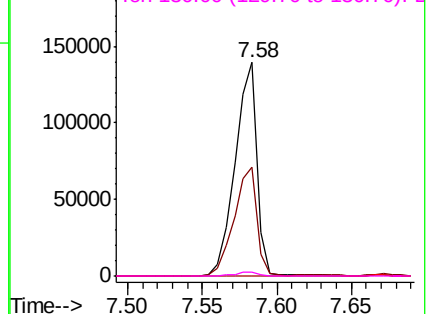
42 50.7 47.5 71.3

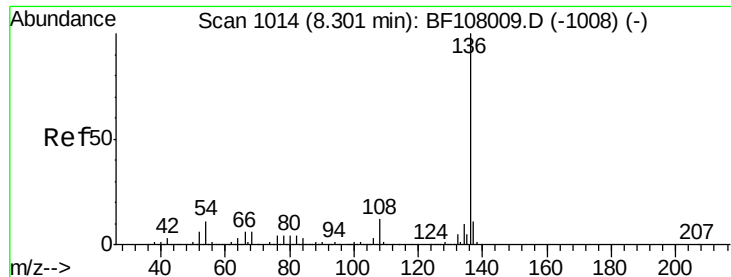
101 0.0 7.4 11.2#

130 2.1 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: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108322.D

Acq: 21 Aug 2018 6:48

Instrument :

BNA_F

ClientSampleId :

RT2286

Tot Ion:136 Resp: 510851

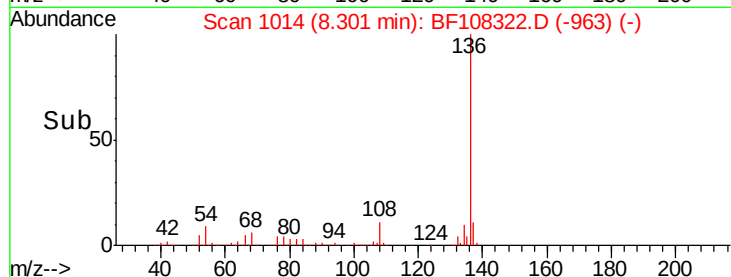
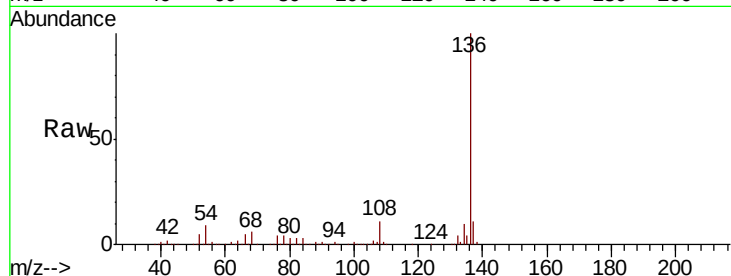
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.4 6.6 9.8

68 5.7 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

8.30

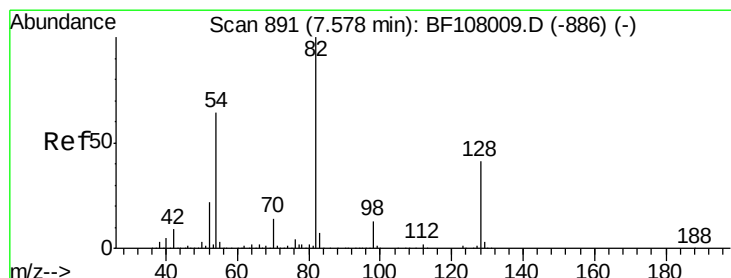
600000

400000

200000

0

Time--> 8.20 8.30 8.40



#23

Nitrobenzene-d5

Concen: 114.523 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.01 min

Lab File: BF108322.D

Acq: 21 Aug 2018 6:48

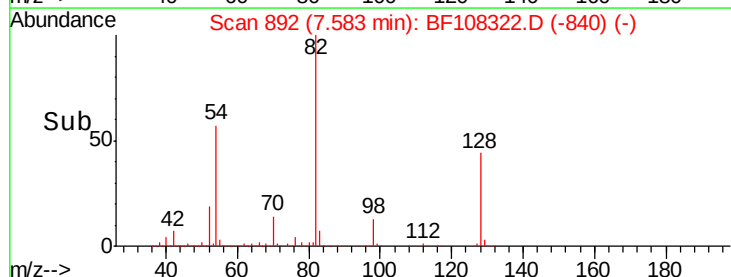
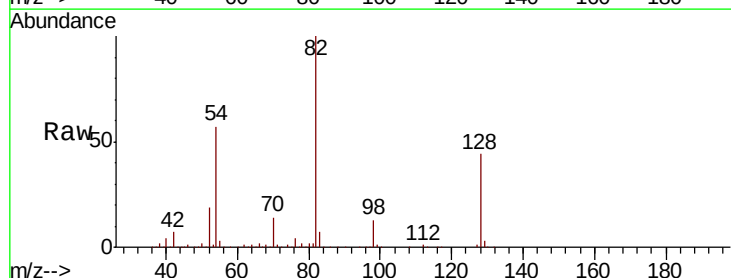
Tgt Ion: 82 Resp: 1048439

Ion Ratio Lower Upper

82 100

128 43.9 36.1 54.1

54 57.2 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

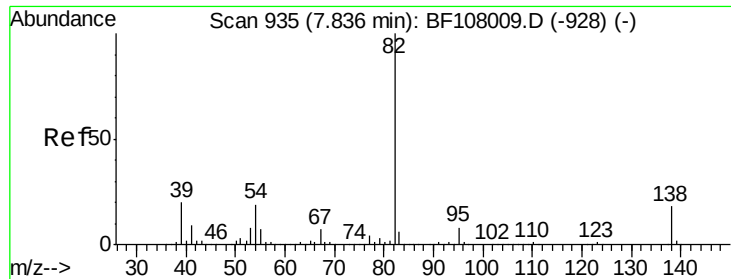
7.58

1000000

500000

0

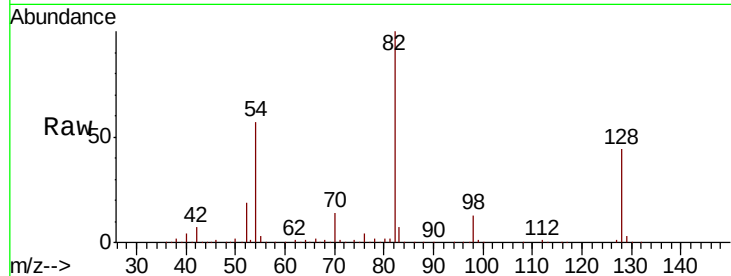
Time--> 7.50 7.55 7.60 7.65



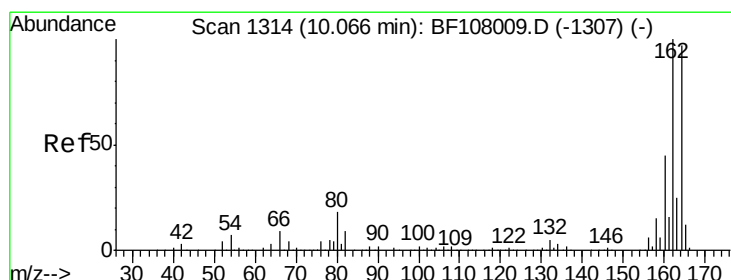
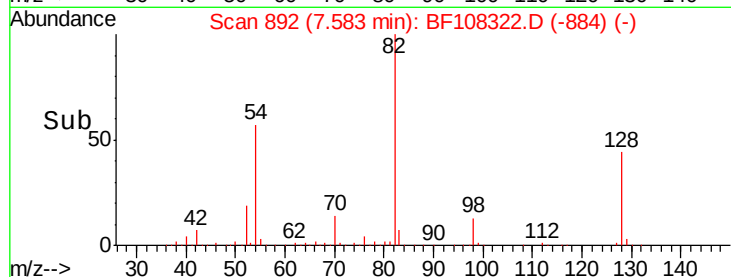
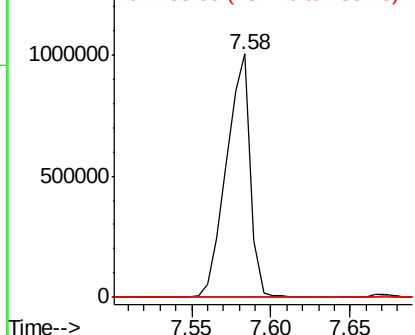
#25
Isophorone
Concen: 60.083 ng
RT: 7.58 min Scan# 892
Delta R.T. -0.25 min
Lab File: BF108322.D
Acq: 21 Aug 2018 6:48

Instrument :
BNA_F
ClientSampleId :
RT2286

Tot Ion: 82 Resp: 1048417
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

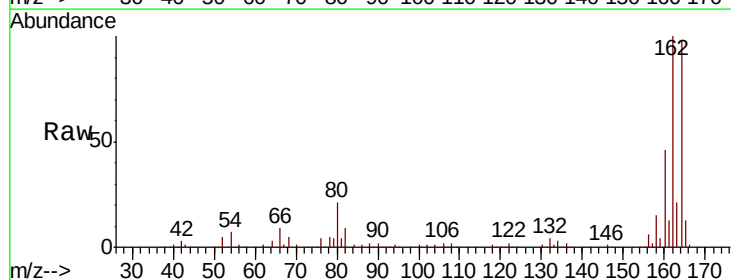


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

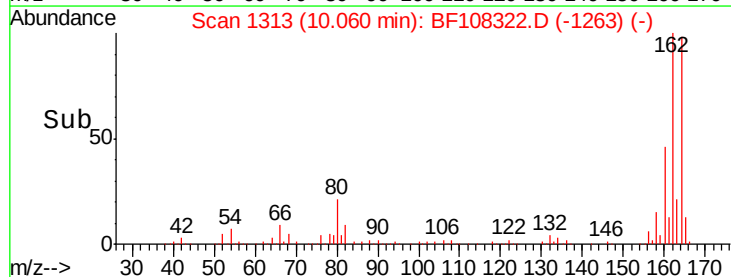
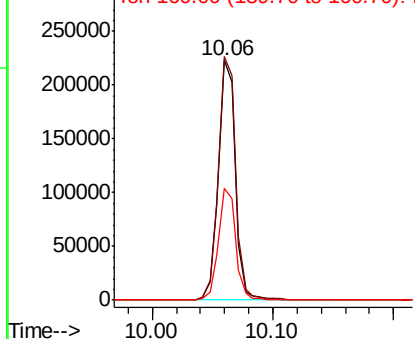


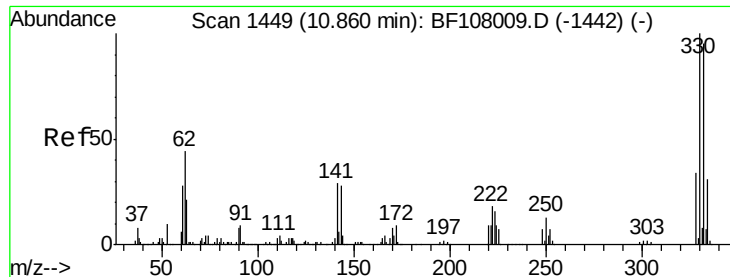
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108322.D
Acq: 21 Aug 2018 6:48

Tgt Ion: 164 Resp: 213524
Ion Ratio Lower Upper
164 100
162 101.8 86.1 129.1
160 46.6 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

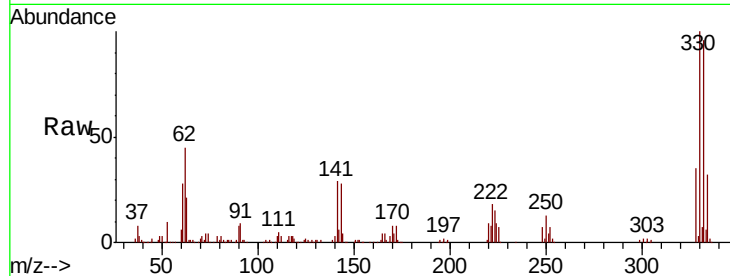




#41
 2,4,6-Tribromophenol
 Concen: 166.486 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108322.D
 Acq: 21 Aug 2018 6:48

Instrument :
 BNA_F
 ClientSampleId :
 RT2286

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	32.2	29.9	44.9

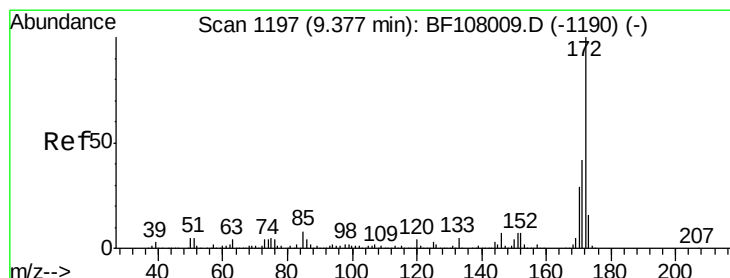
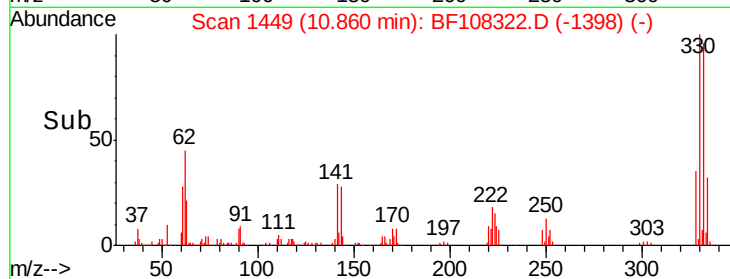
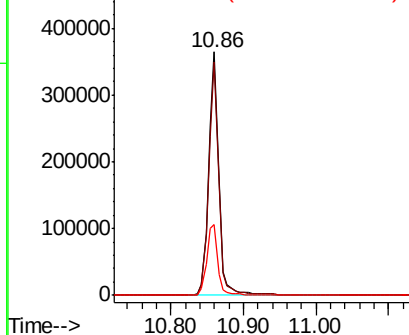


Abundance

Ion 329.80 (329.50 to 330.50): E

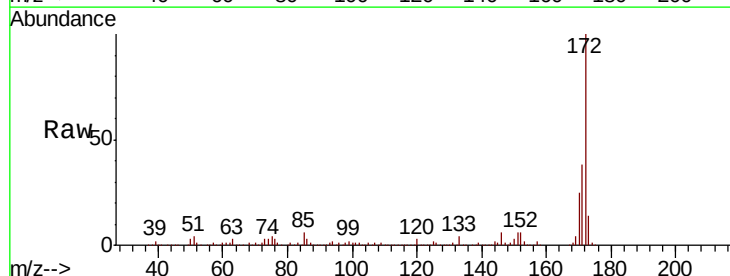
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 133.072 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108322.D
 Acq: 21 Aug 2018 6:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	29.7	44.5
170	25.3	19.6	29.4

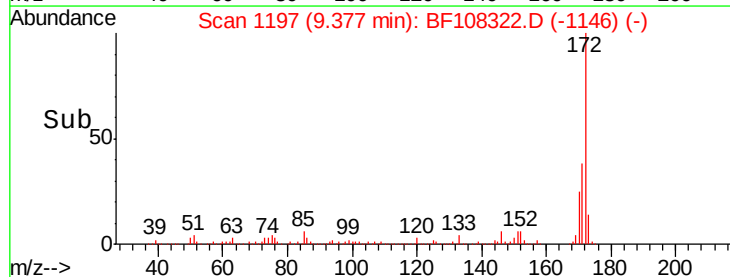
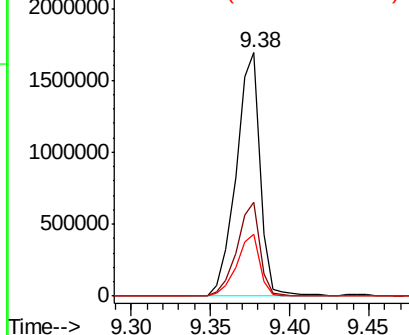


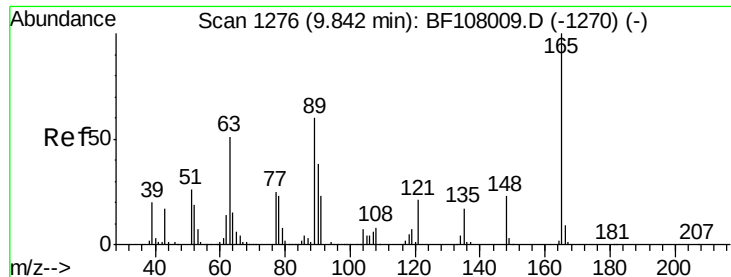
Abundance

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

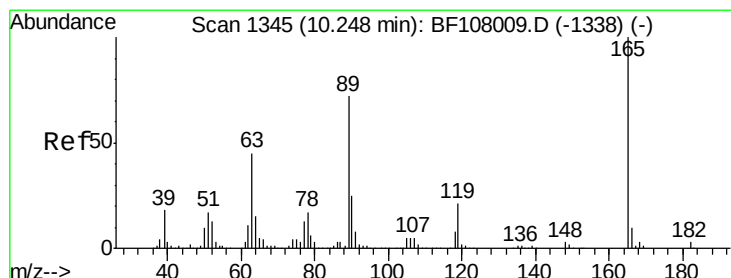
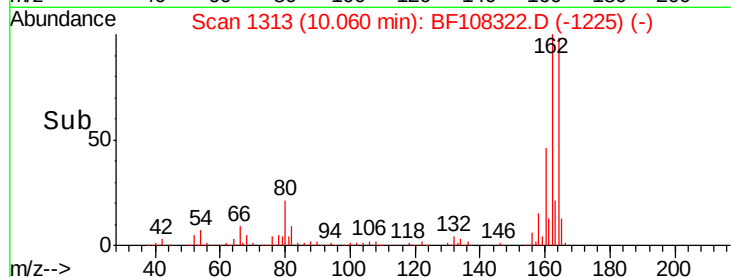
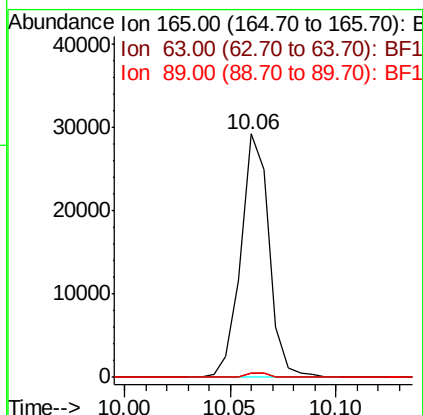
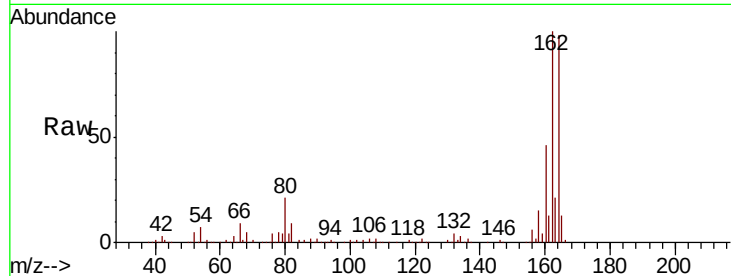




#50
 2,6-Dinitrotoluene
 Concen: 8.683 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108322.D
 Acq: 21 Aug 2018 6:48

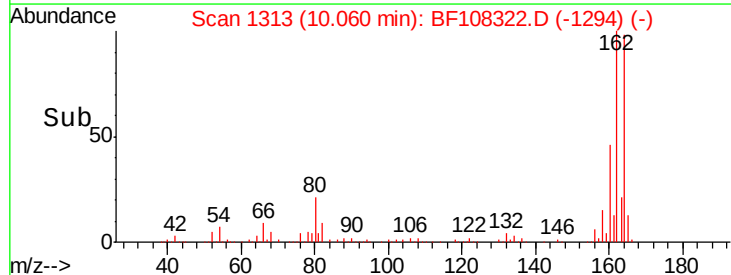
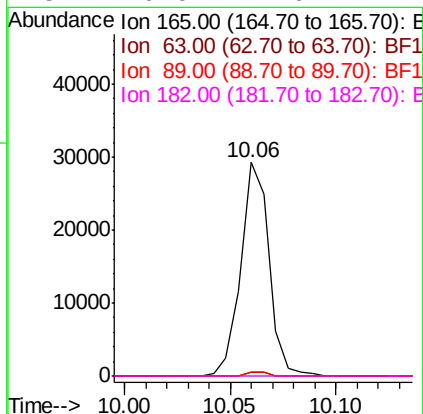
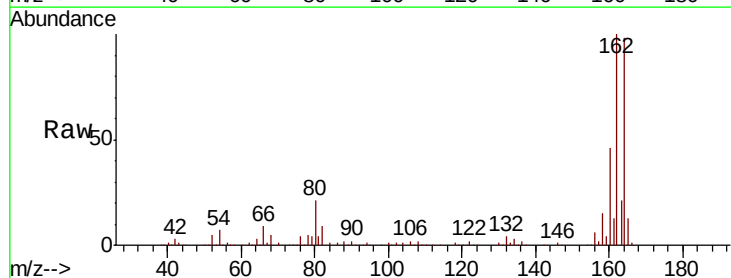
Instrument :
 BNA_F
 ClientSampleId :
 RT2286

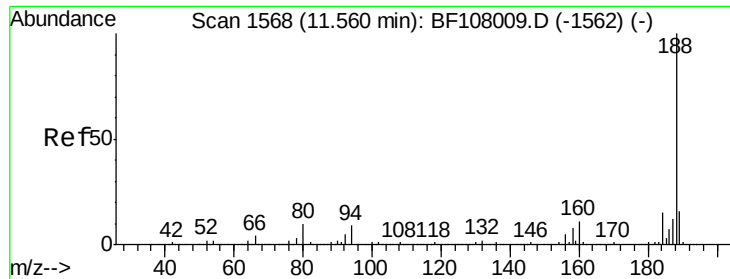
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	2.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.746 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108322.D
 Acq: 21 Aug 2018 6:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	2.0	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.56 min Scan# 1568

Delta R.T. 0.00 min

Lab File: BF108322.D

Acq: 21 Aug 2018 6:48

Instrument :

BNA_F

ClientSampleId :

RT2286

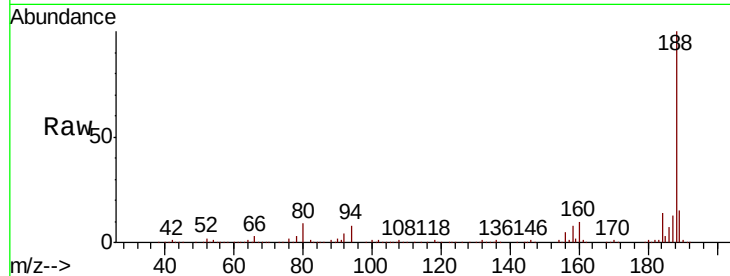
Tot Ion:188 Resp: 383058

Ion Ratio Lower Upper

188 100

94 7.7 8.5 12.7#

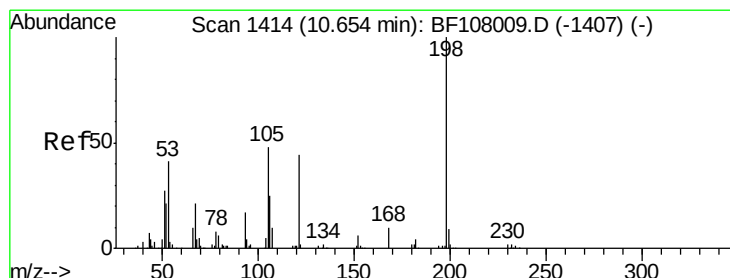
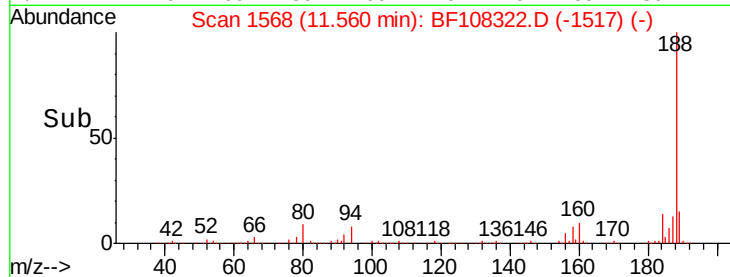
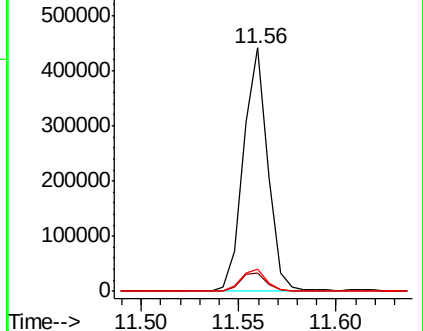
80 9.1 9.2 13.8#



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: 5.891 ng

RT: 10.86 min Scan# 1449

Delta R.T. 0.21 min

Lab File: BF108322.D

Acq: 21 Aug 2018 6:48

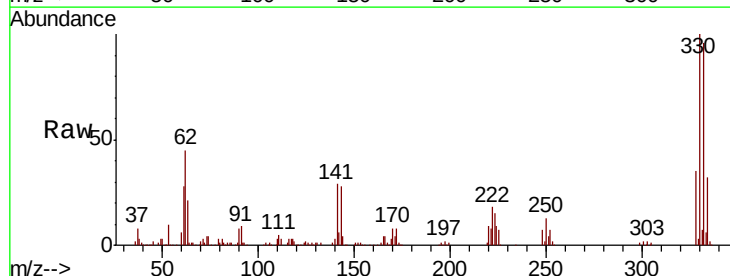
Tgt Ion:198 Resp: 862

Ion Ratio Lower Upper

198 100

51 159.5 37.7 77.7#

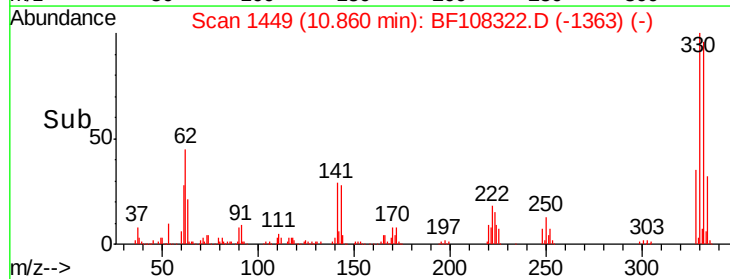
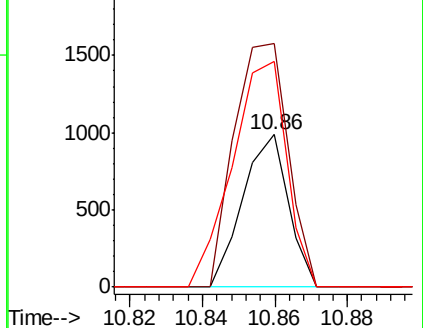
105 147.4 36.3 76.3#

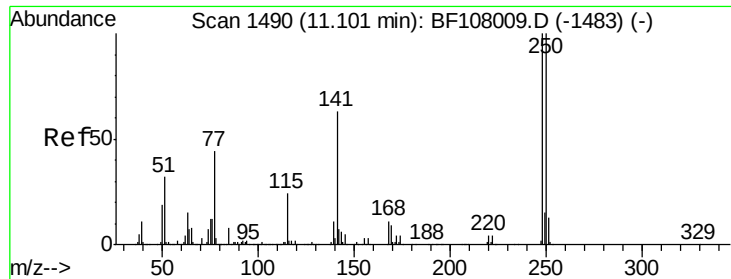


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

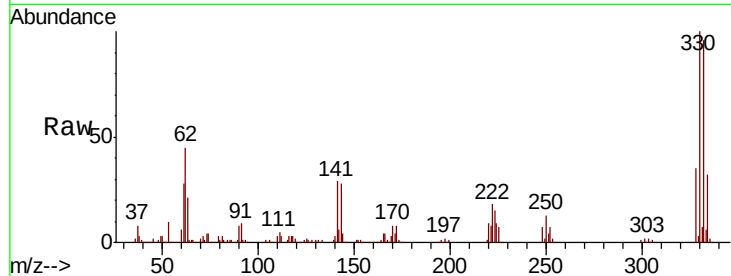




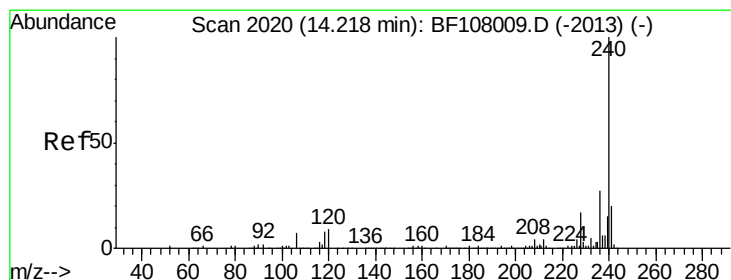
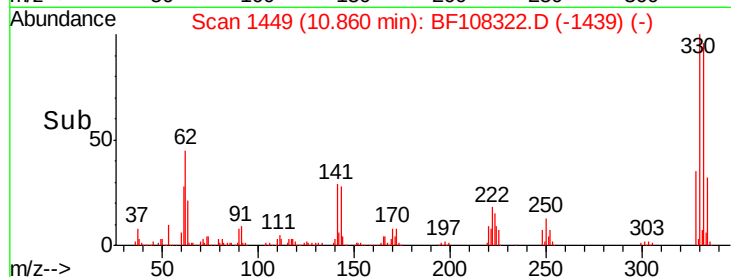
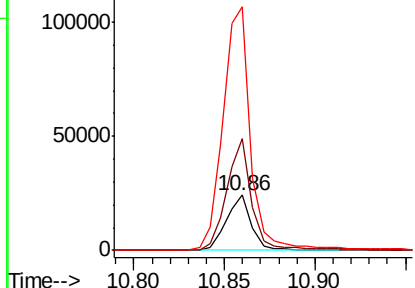
#66
4-Bromophenyl-phenylether
Concen: 5.576 ng
RT: 10.86 min Scan# 1449
Delta R.T. -0.24 min
Lab File: BF108322.D
Acq: 21 Aug 2018 6:48

Instrument :
BNA_F
ClientSampled :
RT2286

Tot Ion:248 Resp: 23213
Ion Ratio Lower Upper
248 100
250 202.5 76.9 115.3#
141 439.5 74.4 111.6#

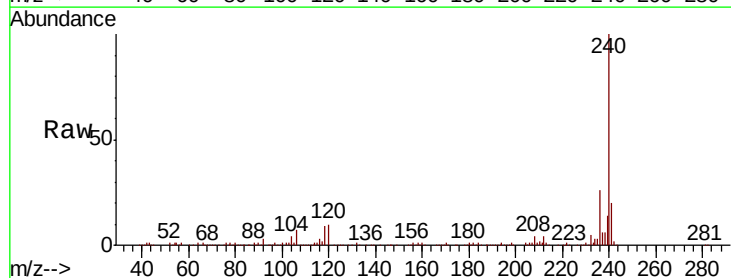


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

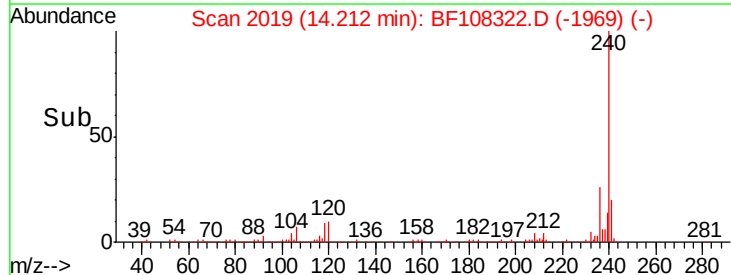
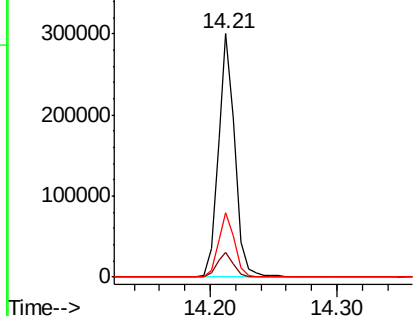


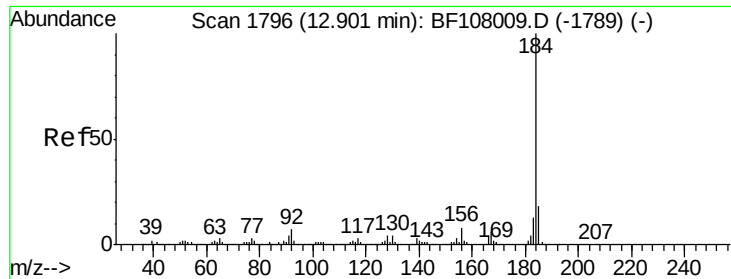
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF108322.D
Acq: 21 Aug 2018 6:48

Tgt Ion:240 Resp: 272677
Ion Ratio Lower Upper
240 100
120 10.1 9.5 14.3
236 26.3 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





#76

Benzidine

Concen: 2.140 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.25 min

Lab File: BF108322.D

Acq: 21 Aug 2018 6:48

Instrument :

BNA_F

ClientSampleId :

RT2286

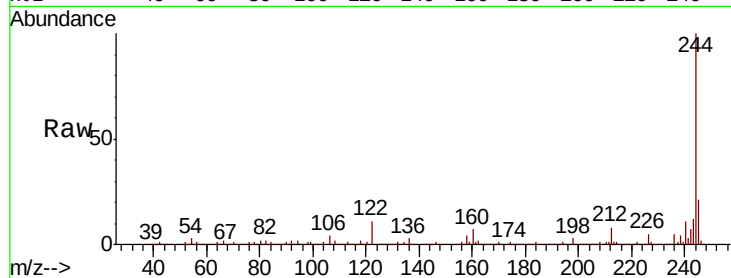
Tot Ion:184 Resp: 21806

Ion Ratio Lower Upper

184 100

185 15.2 12.6 18.8

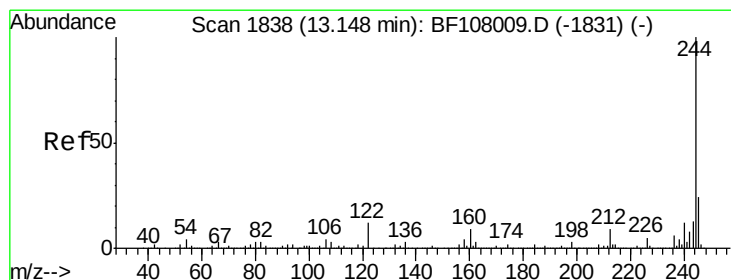
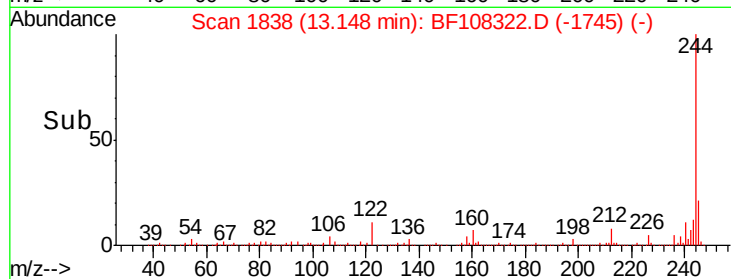
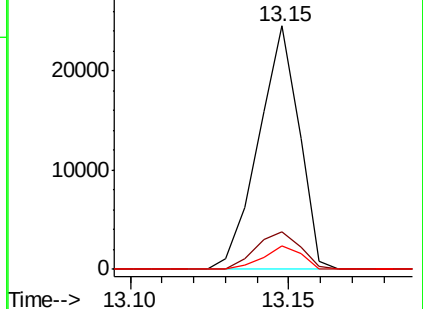
183 9.8 9.3 13.9



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



#78

Terphenyl-d14

Concen: 155.919 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108322.D

Acq: 21 Aug 2018 6:48

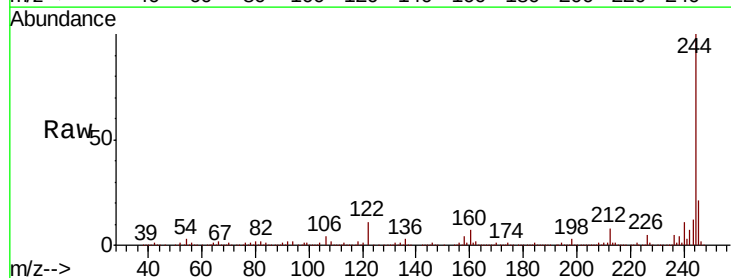
Tgt Ion:244 Resp: 1672150

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

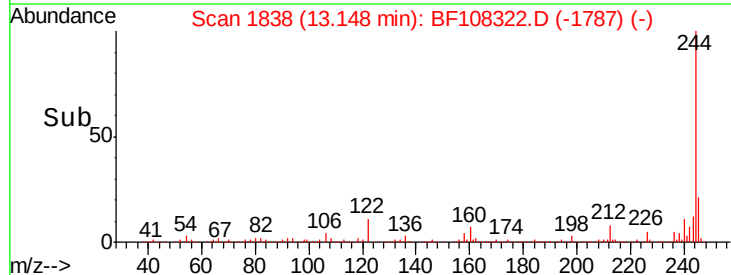
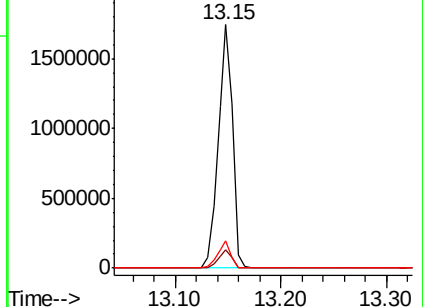
122 11.0 11.0 16.4

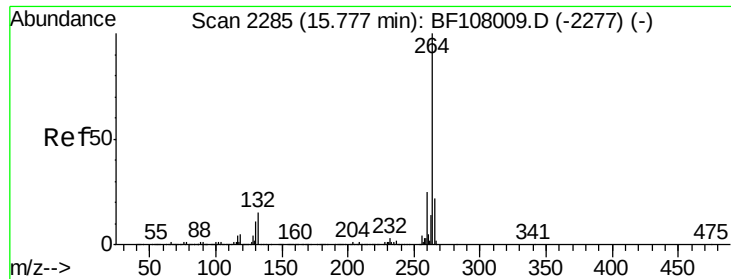


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2285
Delta R.T. 0.00 min
Lab File: BF108322.D
Acq: 21 Aug 2018 6:48

Instrument :
BNA_F
ClientSampleId :
RT2286

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.6	17.5	26.3

