

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
 Data File : BF109837.D
 Acq On : 12 Oct 2018 16:51
 Operator : JU/SJ
 Sample : J5371-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 12 17:48:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	108504	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	457732	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	221970	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	421451	20.00	ng	0.00
75) Chrysene-d12	13.83	240	267979	20.00	ng	0.00
86) Perylene-d12	15.23	264	218023	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	227459	37.21	ng	-0.01
7) Phenol-d6	6.34	99	186098	22.79	ng	-0.02
23) Nitrobenzene-d5	7.26	82	825055	99.36	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	212731	87.96	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	1443389	89.56	ng	0.00
78) Terphenyl-d14	12.79	244	1329164	96.02	ng	0.00

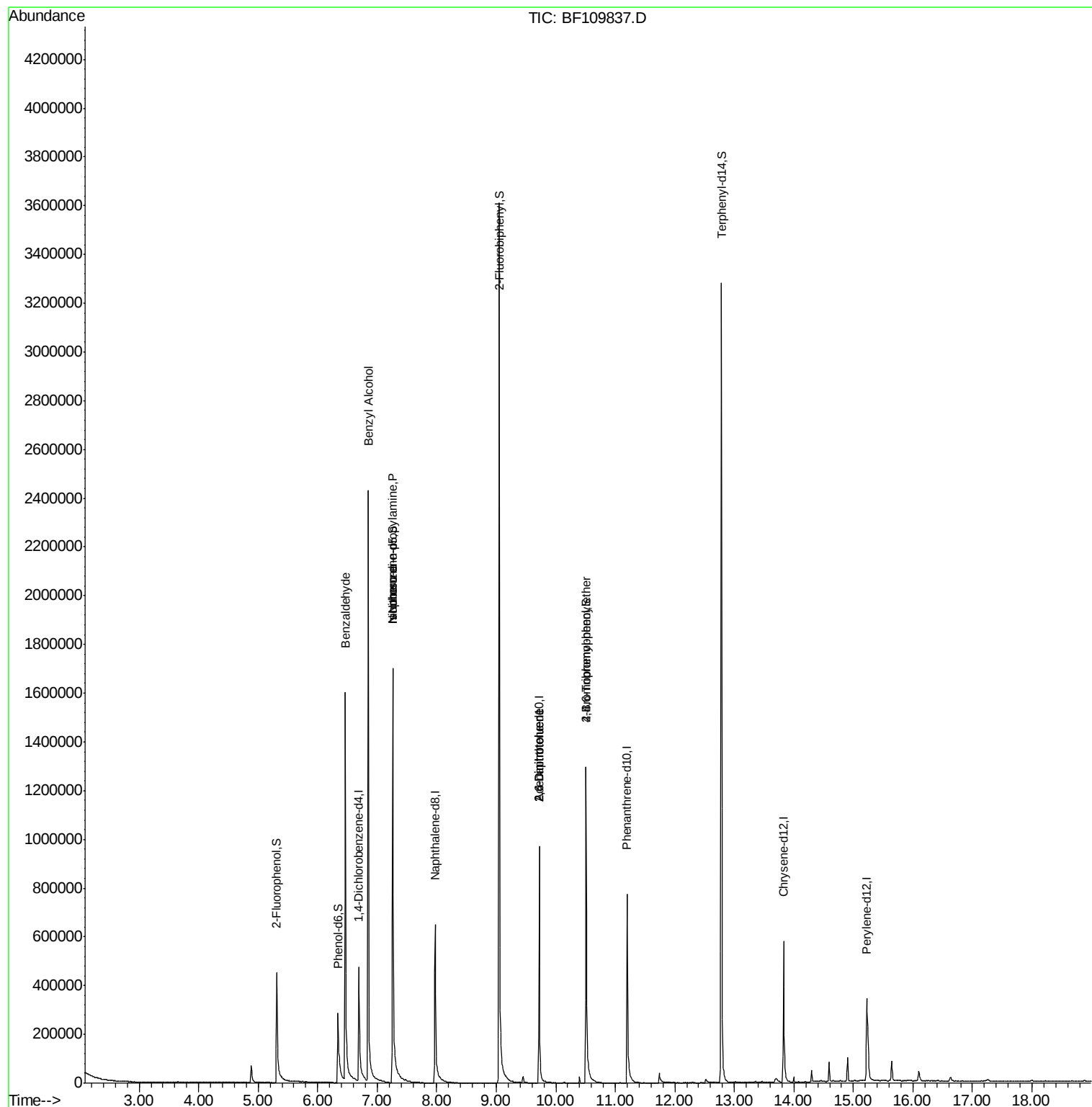
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	12210	2.324	ng	# 77
15) Benzyl Alcohol	6.85	79	12253	2.024	ng	# 50
19) n-Nitroso-di-n-propylamine	7.26	70	105307	18.389	ng	# 77
25) Isophorone	7.26	82	825051	59.834	ng	# 67
50) 2,6-Dinitrotoluene	9.72	165	26983	7.646	ng	# 23
56) 2,4-Dinitrotoluene	9.72	165	26984	6.127	ng	# 20
66) 4-Bromophenyl-phenylether	10.51	248	11910	2.459	ng	# 1

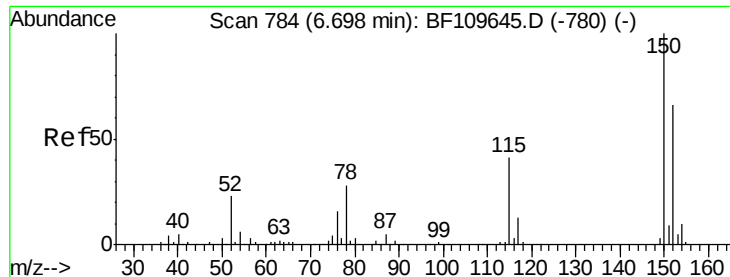
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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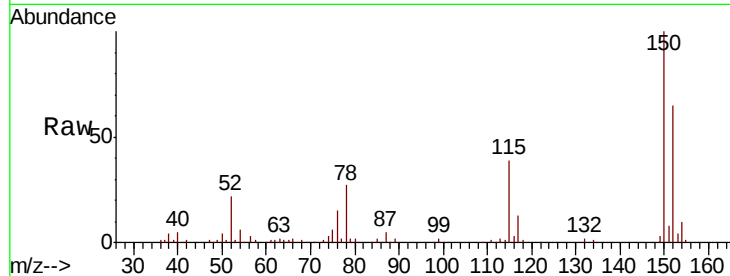


#1

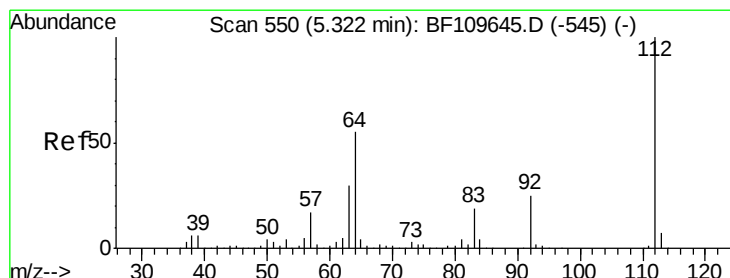
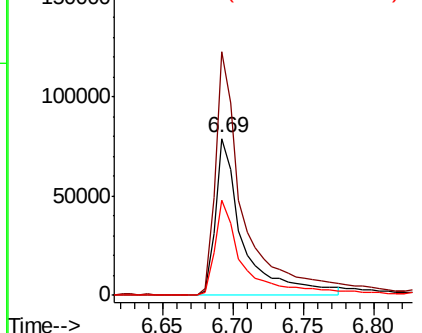
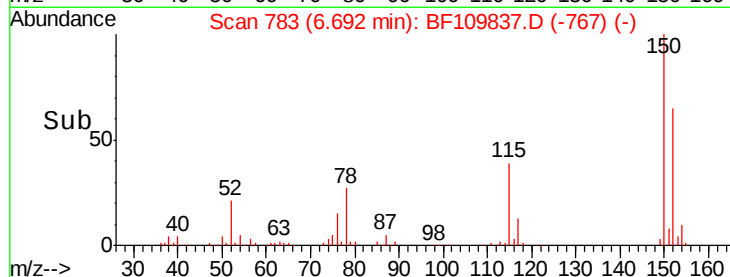
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109837.D
Acq: 12 Oct 2018 16:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 108504
Ion Ratio Lower Upper
152 100
150 154.9 122.7 184.1
115 60.8 49.1 73.7



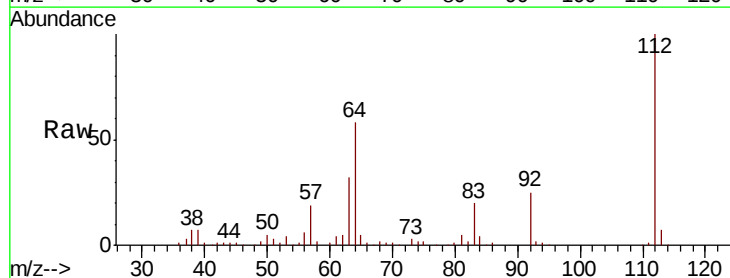
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



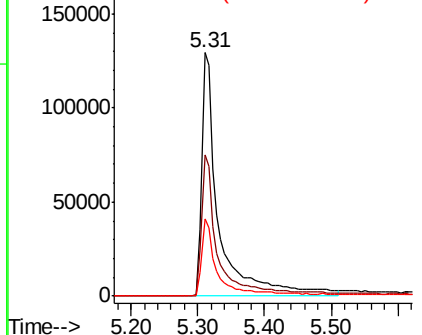
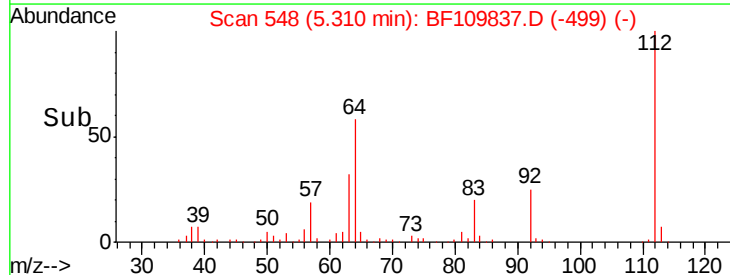
#5

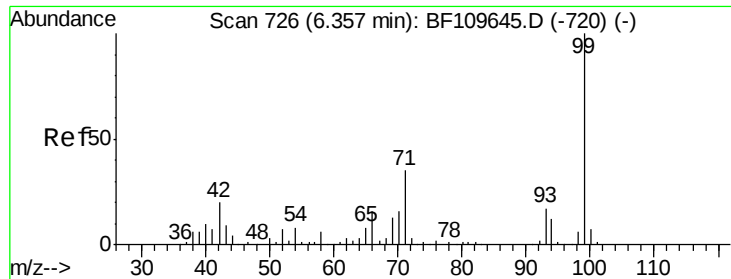
2-Fluorophenol
Concen: 37.210 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109837.D
Acq: 12 Oct 2018 16:51

Tgt Ion:112 Resp: 227459
Ion Ratio Lower Upper
112 100
64 57.8 44.1 66.1
63 31.9 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: 22.789 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109837.D

Acq: 12 Oct 2018 16:51

Instrument :

BNA_F

ClientSampled :

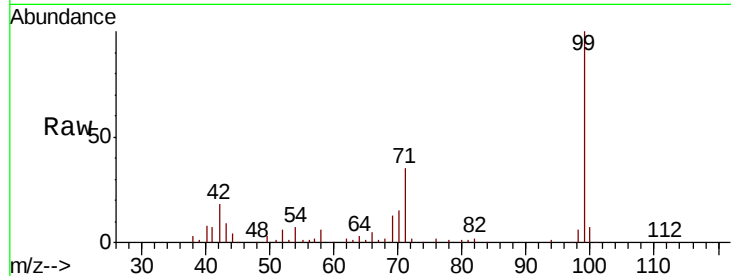
Tot Ion: 99 Resp: 186098

Ion Ratio Lower Upper

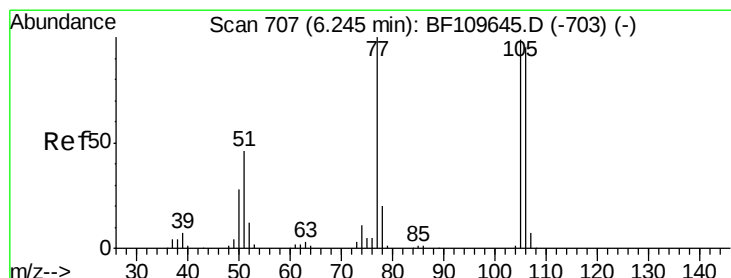
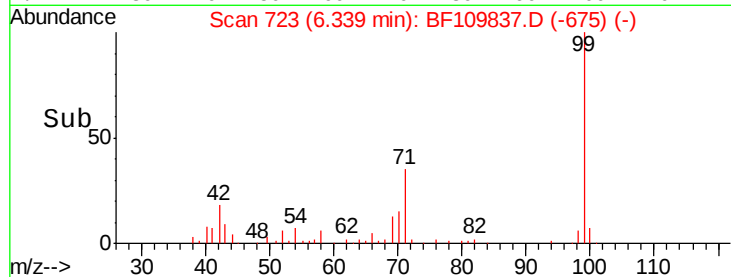
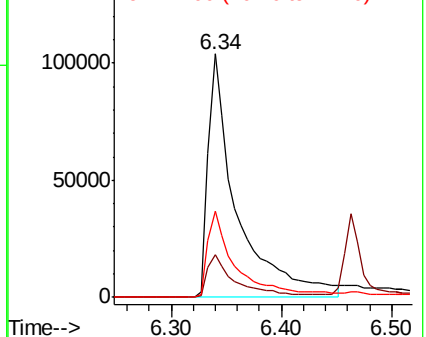
99 100

42 17.7 15.8 23.6

71 35.3 28.0 42.0



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



#9

Benzaldehyde

Concen: 2.324 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.22 min

Lab File: BF109837.D

Acq: 12 Oct 2018 16:51

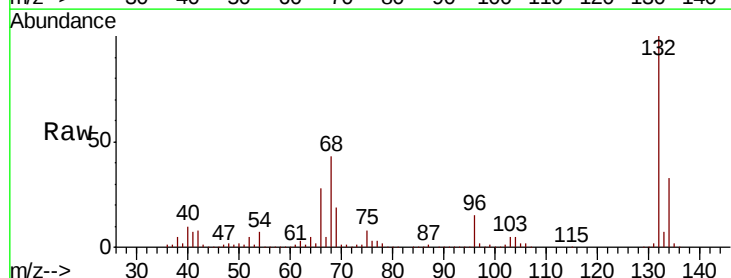
Tgt Ion: 77 Resp: 12210

Ion Ratio Lower Upper

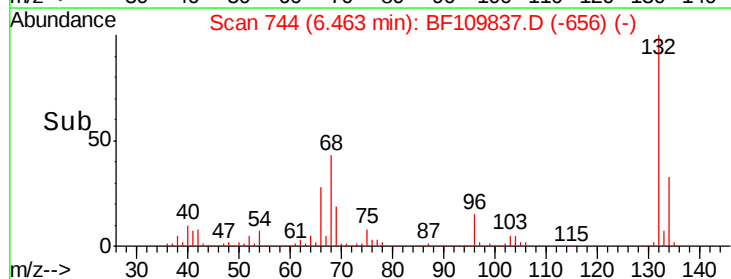
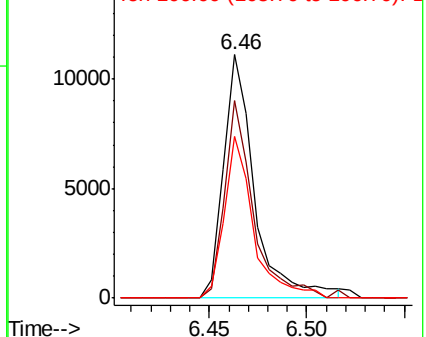
77 100

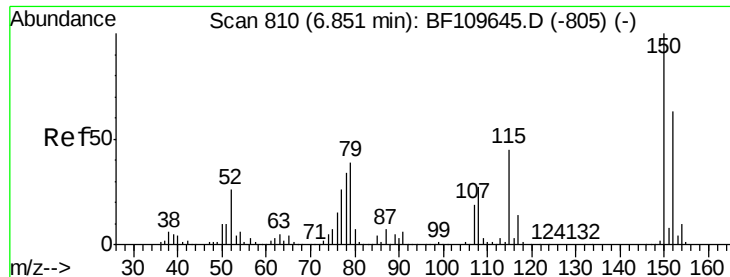
105 81.1 78.6 118.6

106 66.2 74.8 114.8#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.024 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF109837.D

Acq: 12 Oct 2018 16:51

Instrument :

BNA_F

ClientSampleId :

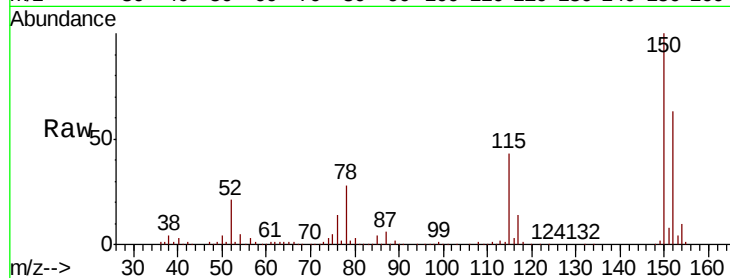
Tot Ion: 79 Resp: 12253

Ion Ratio Lower Upper

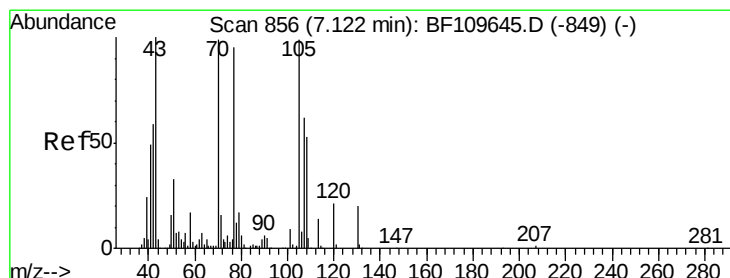
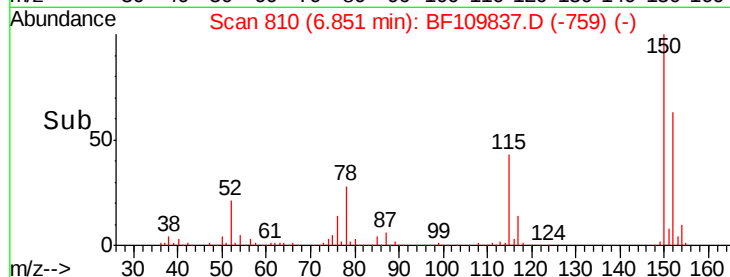
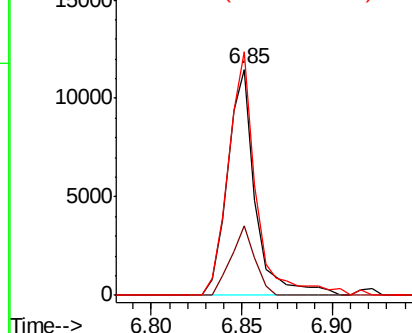
79 100

108 30.6 56.3 84.5#

77 107.6 52.9 79.3#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 18.389 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF109837.D

Acq: 12 Oct 2018 16:51

Tgt Ion: 70 Resp: 105307

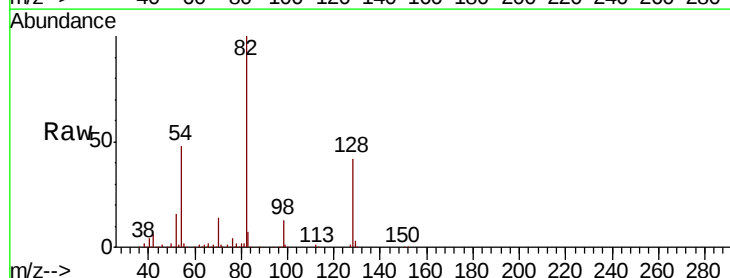
Ion Ratio Lower Upper

70 100

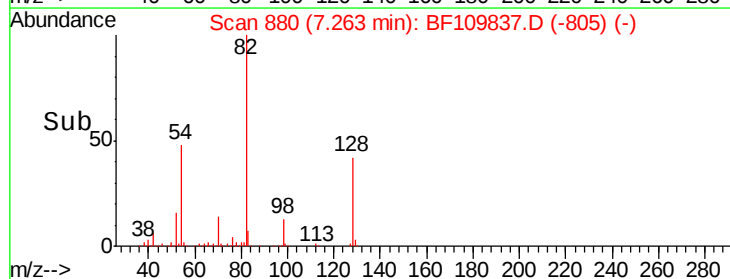
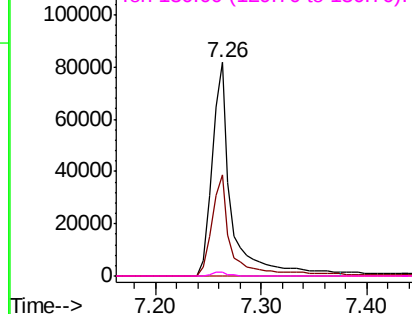
42 47.1 47.4 71.2#

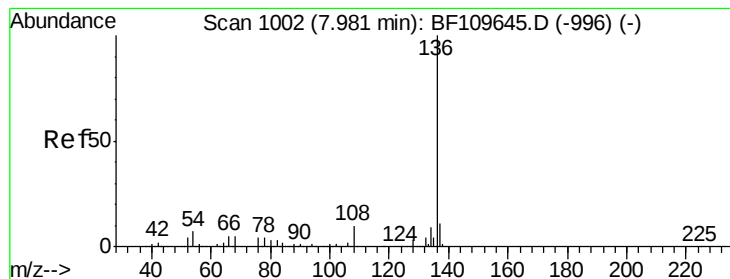
101 0.0 7.3 10.9#

130 1.9 16.2 24.2#



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: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109837.D

Acq: 12 Oct 2018 16:51

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 457732

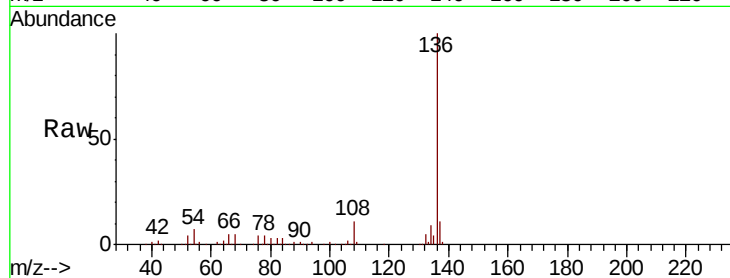
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 6.7 5.4 8.2

68 5.0 4.2 6.2

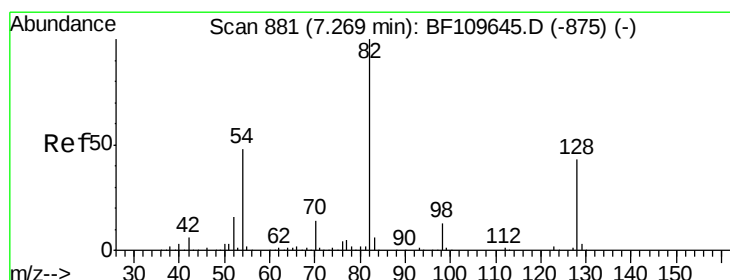
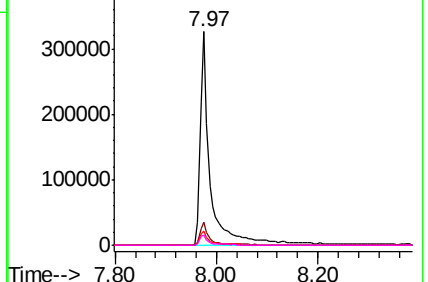
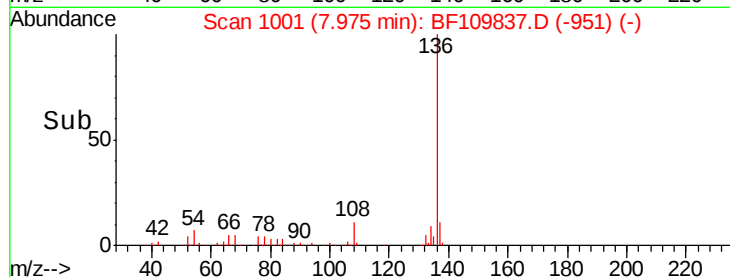


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.359 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF109837.D

Acq: 12 Oct 2018 16:51

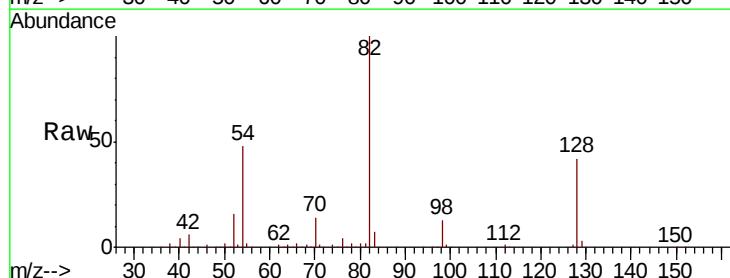
Tgt Ion: 82 Resp: 825055

Ion Ratio Lower Upper

82 100

128 41.9 34.2 51.2

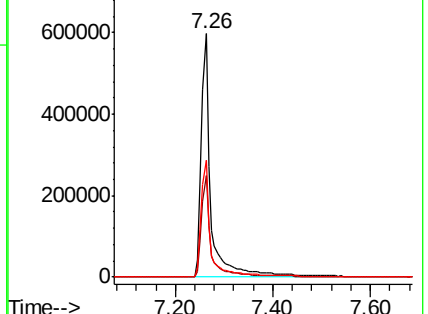
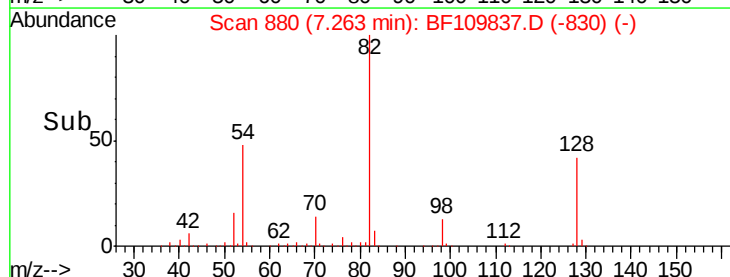
54 48.1 38.6 58.0

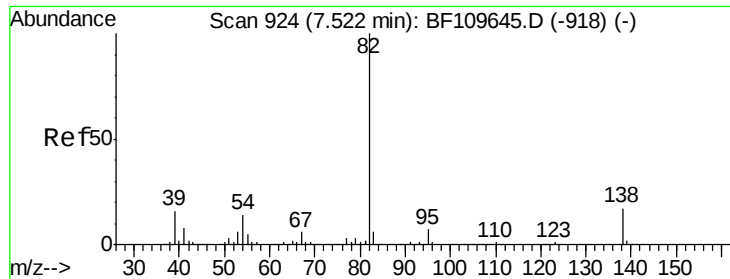


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 59.834 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.26 min

Lab File: BF109837.D

Acq: 12 Oct 2018 16:51

Instrument :

BNA_F

ClientSampleId :

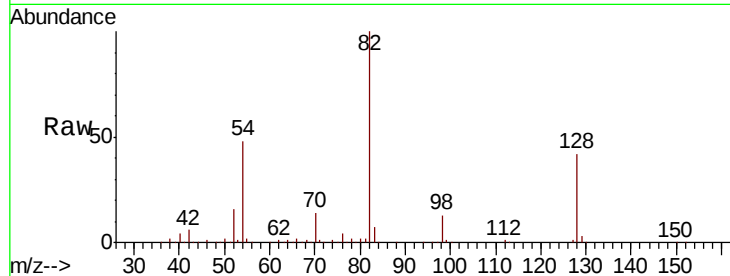
Tot Ion: 82 Resp: 825051

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

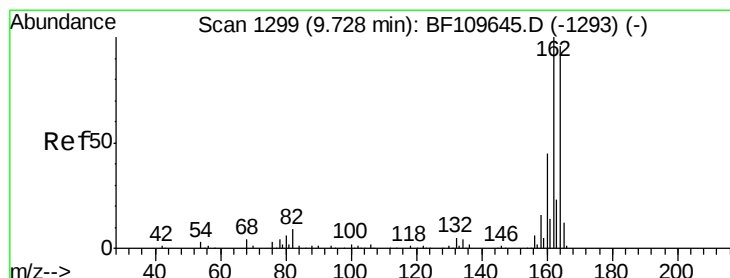
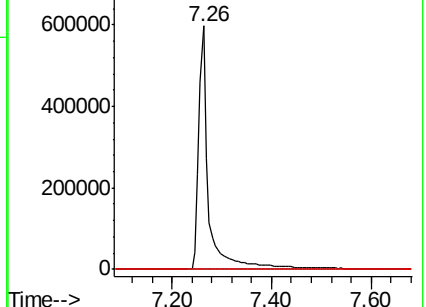
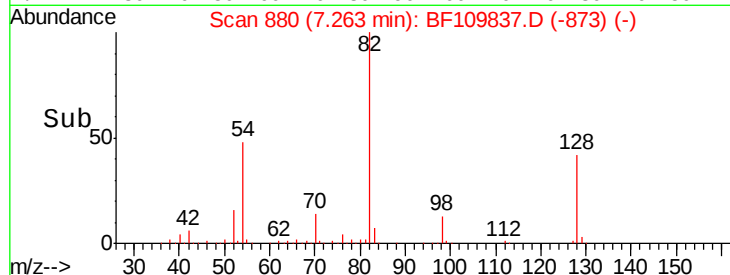
138 0.0 13.2 19.8#



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: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109837.D

Acq: 12 Oct 2018 16:51

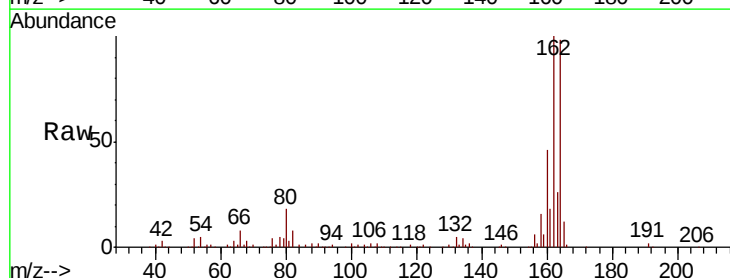
Tgt Ion:164 Resp: 221970

Ion Ratio Lower Upper

164 100

162 102.4 83.0 124.6

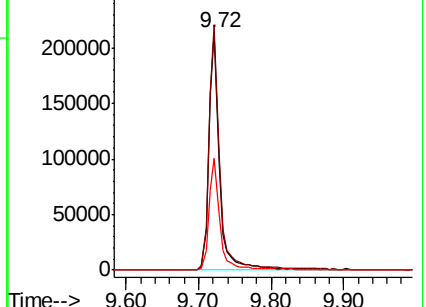
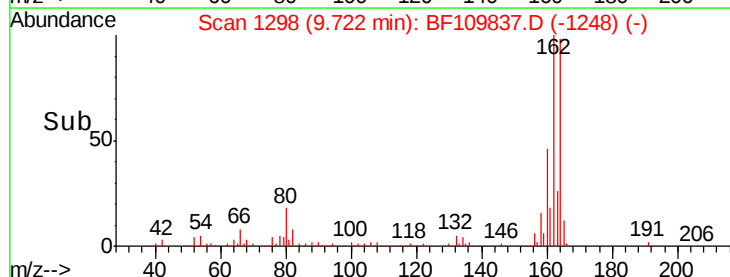
160 46.9 37.0 55.6

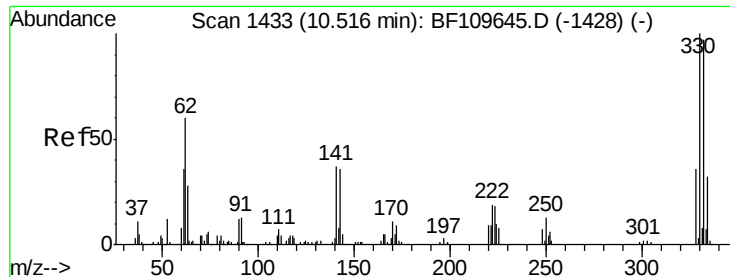


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

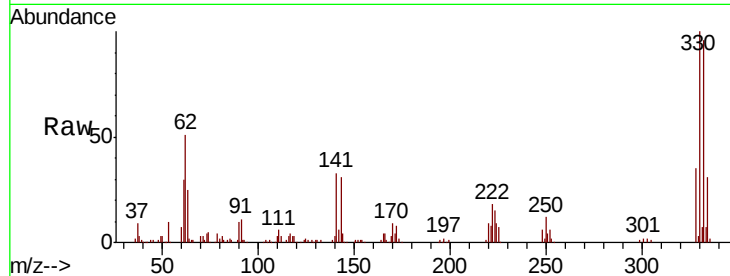




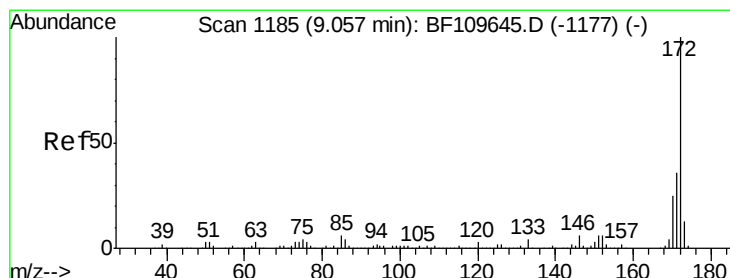
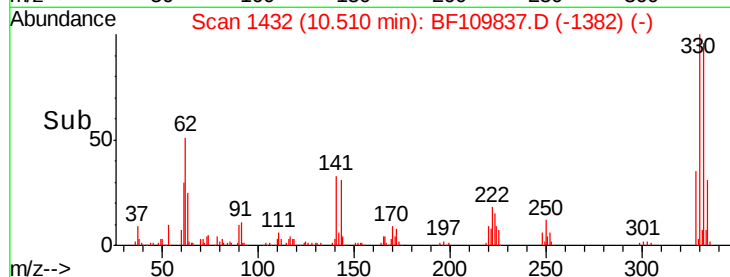
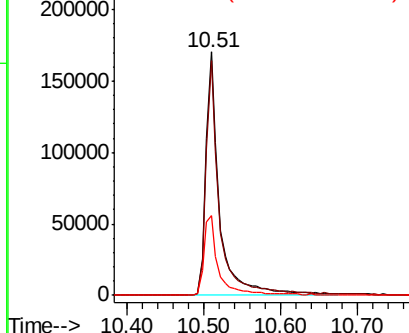
#41
 2,4,6-Tribromophenol
 Concen: 87.956 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109837.D
 Acq: 12 Oct 2018 16:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.1	115.7
141	35.2	27.0	40.4

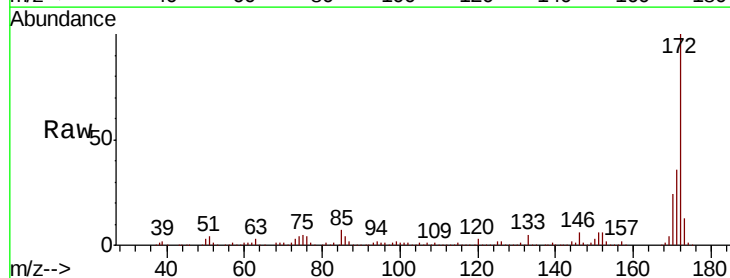


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

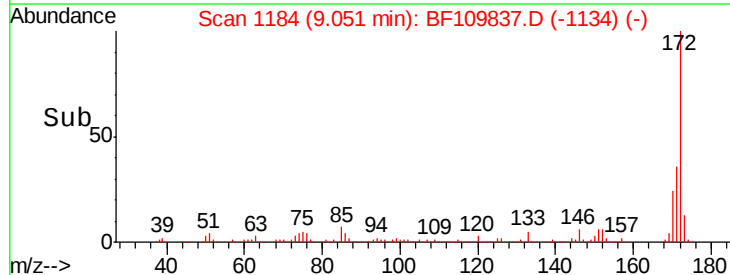
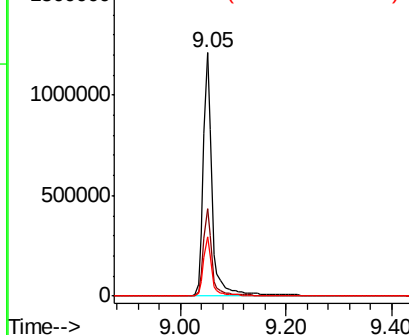


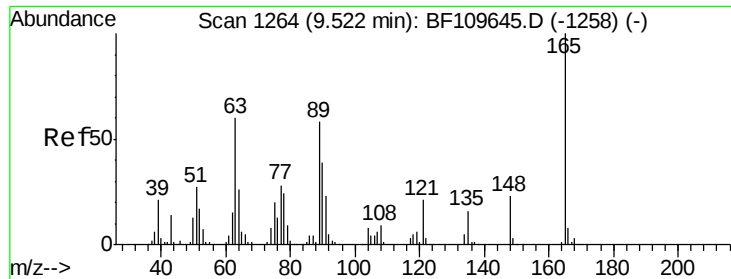
#44
 2-Fluorobiphenyl
 Concen: 89.558 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109837.D
 Acq: 12 Oct 2018 16:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.5	19.7	29.5



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

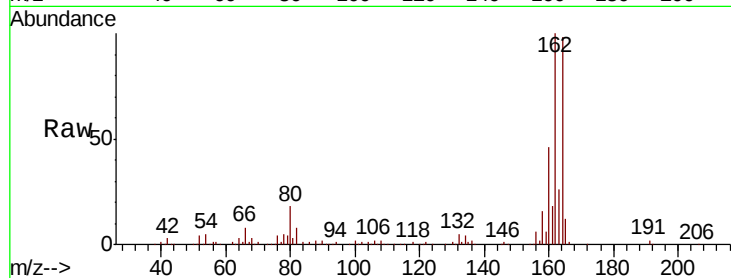




#50
2,6-Dinitrotoluene
Concen: 7.646 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.20 min
Lab File: BF109837.D
Acq: 12 Oct 2018 16:51

Instrument :
BNA_F
ClientSampleId :

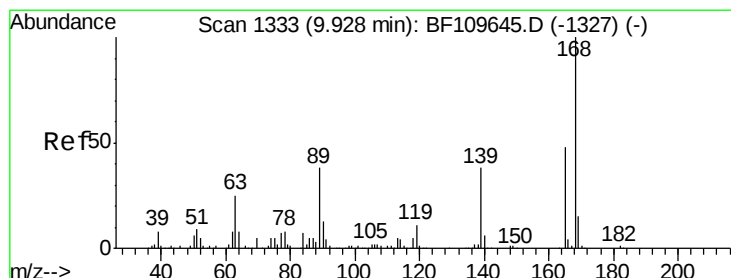
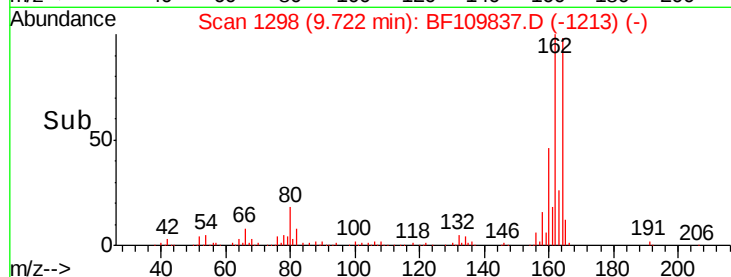
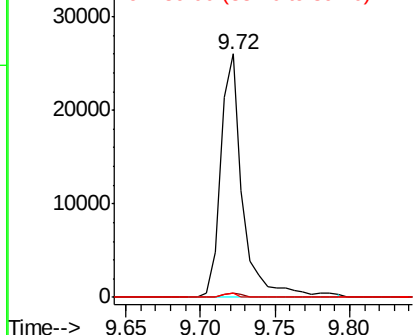
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	48.9	73.3#
89	1.9	46.6	69.8#



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



#56
2,4-Dinitrotoluene
Concen: 6.127 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF109837.D
Acq: 12 Oct 2018 16:51

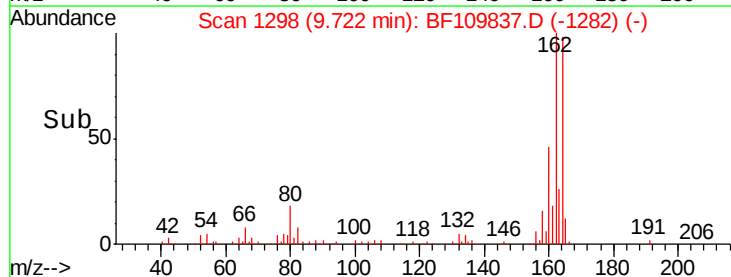
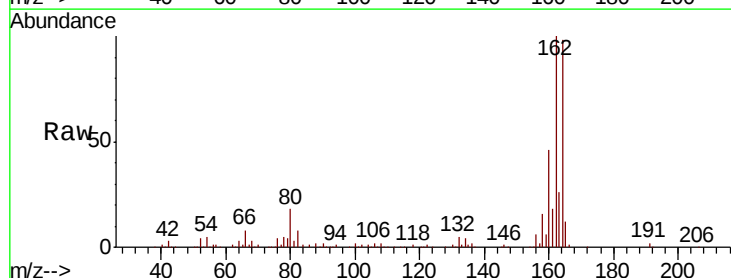
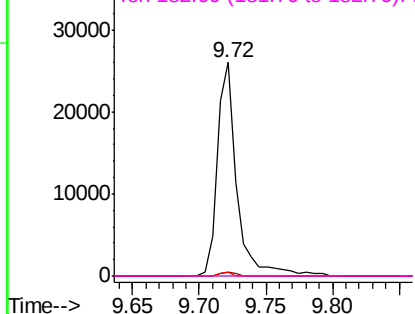
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	44.8	67.2#
89	1.9	62.2	93.4#
182	0.0	2.1	3.1#

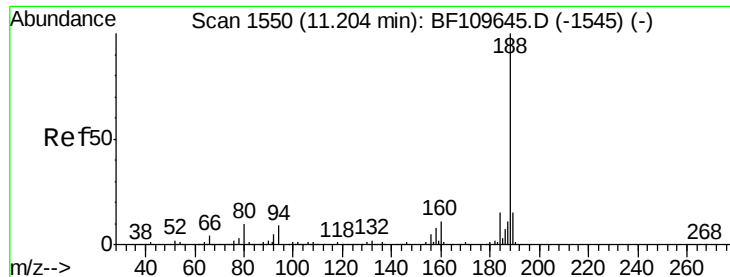
Abundance Ion 165.00 (164.70 to 165.70): E

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

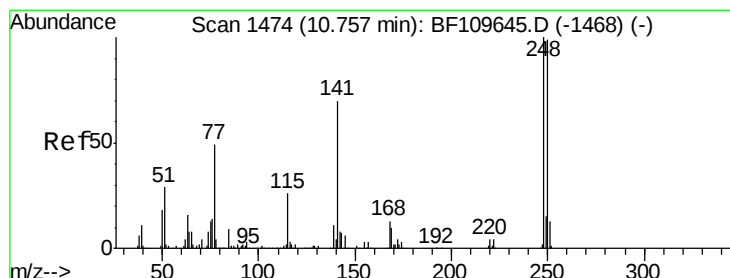
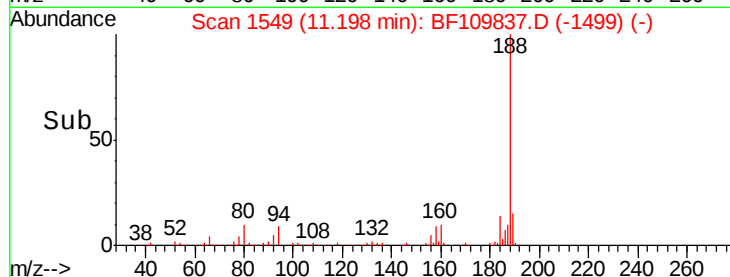
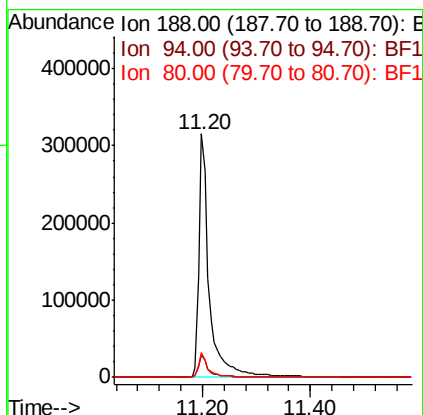
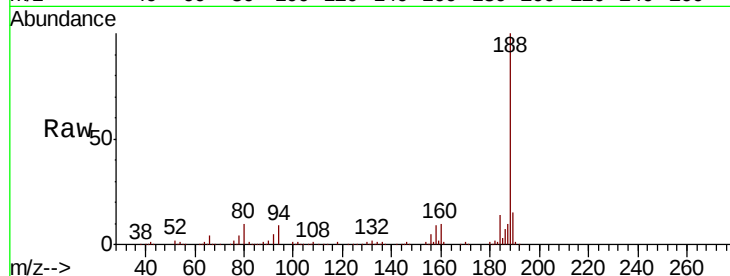




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF109837.D
Acq: 12 Oct 2018 16:51

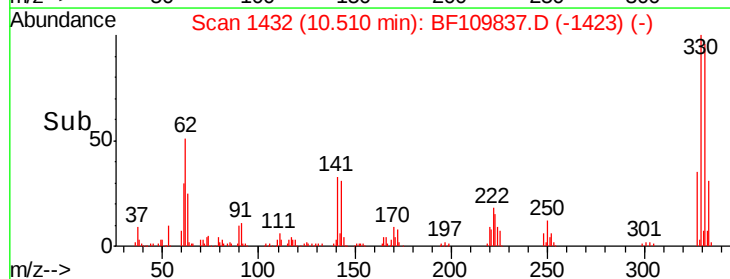
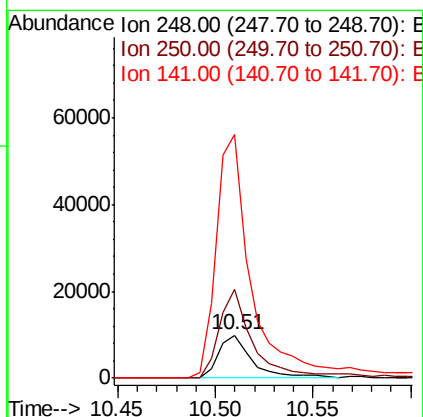
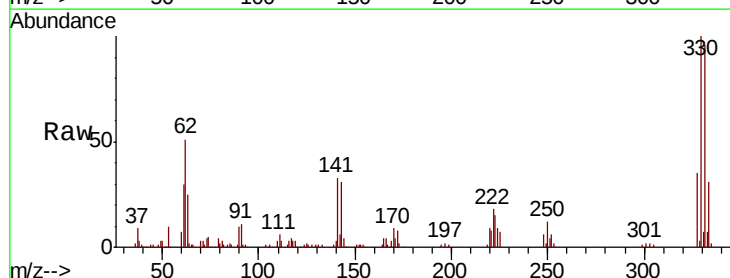
Instrument :
BNA_F
ClientSampleId :

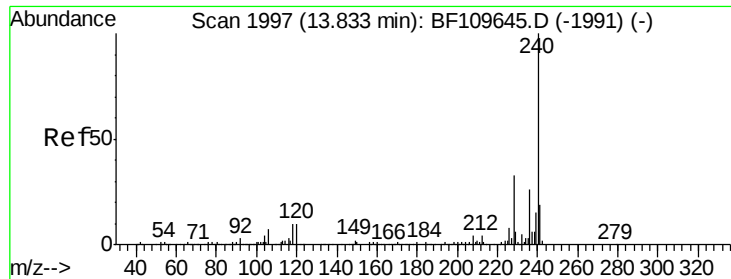
Tot Ion:188 Resp: 421451
Ion Ratio Lower Upper
188 100
94 9.3 7.2 10.8
80 10.0 7.9 11.9



#66
4-Bromophenyl-phenylether
Concen: 2.459 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.25 min
Lab File: BF109837.D
Acq: 12 Oct 2018 16:51

Tgt Ion:248 Resp: 11910
Ion Ratio Lower Upper
248 100
250 205.3 79.4 119.2#
141 567.2 55.9 83.9#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109837.D

Acq: 12 Oct 2018 16:51

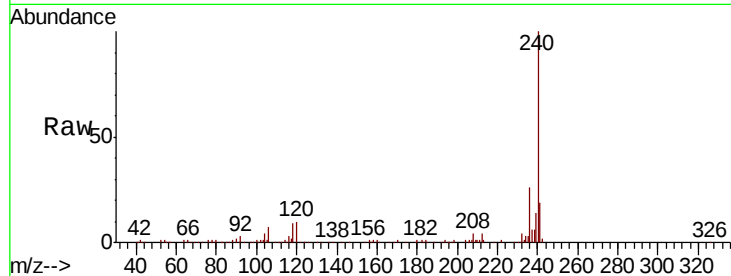
Instrument :

BNA_F

ClientSampled :

Tot Ion:240 Resp: 267979

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.3	12.5
236	26.0	21.2	31.8

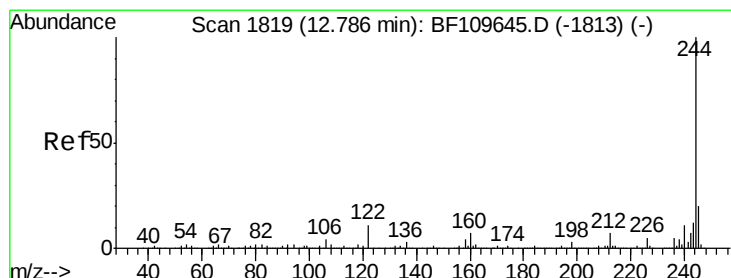
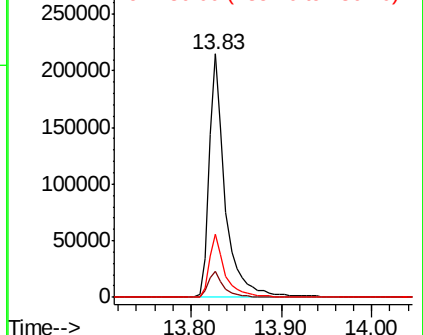
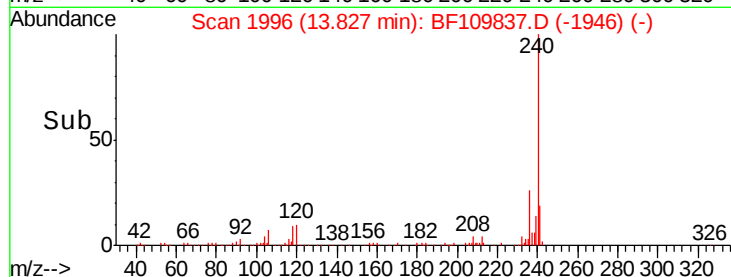


Abundance

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: 96.017 ng

RT: 12.79 min Scan# 1819

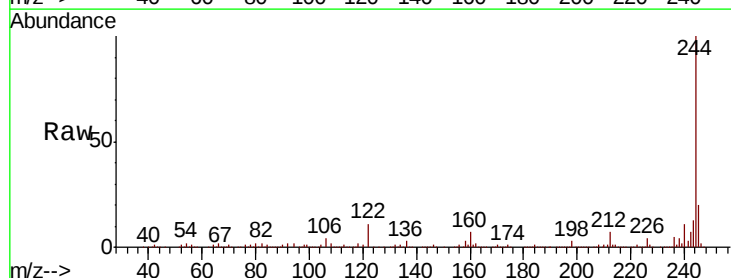
Delta R.T. 0.00 min

Lab File: BF109837.D

Acq: 12 Oct 2018 16:51

Tgt Ion:244 Resp: 1329164

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	11.0	8.7	13.1

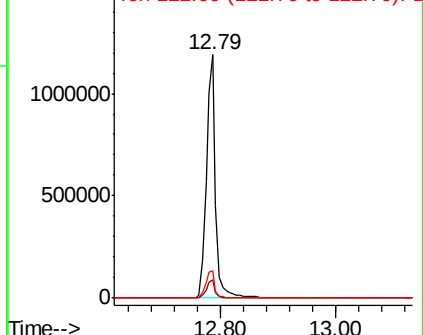
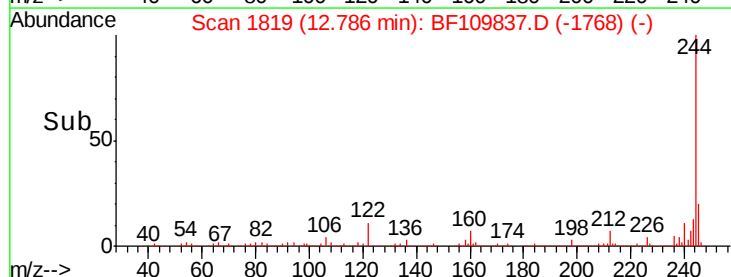


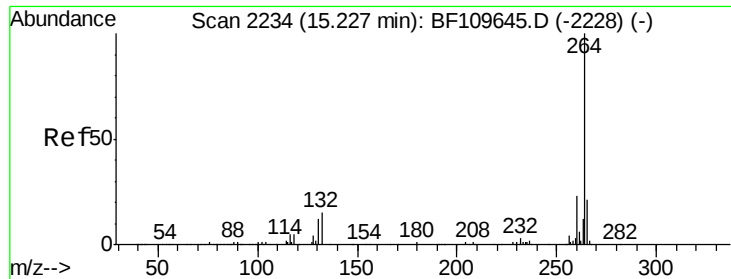
Abundance

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: 15.23 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BF109837.D
Acq: 12 Oct 2018 16:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	20.5	16.7	25.1

