

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
 Data File : BF109867.D
 Acq On : 13 Oct 2018 6:53
 Operator : JU/SJ
 Sample : J5444-10
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 15 01:20:25 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	98132	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	397731	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	164748	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	246787	20.00	ng	0.00
75) Chrysene-d12	13.83	240	201590	20.00	ng	0.00
86) Perylene-d12	15.23	264	159678	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	230764	41.74	ng	-0.01
7) Phenol-d6	6.34	99	183697	24.87	ng	-0.02
23) Nitrobenzene-d5	7.26	82	778359	107.88	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	145659	81.14	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	1311520	109.64	ng	0.00
78) Terphenyl-d14	12.78	244	840927	80.75	ng	0.00

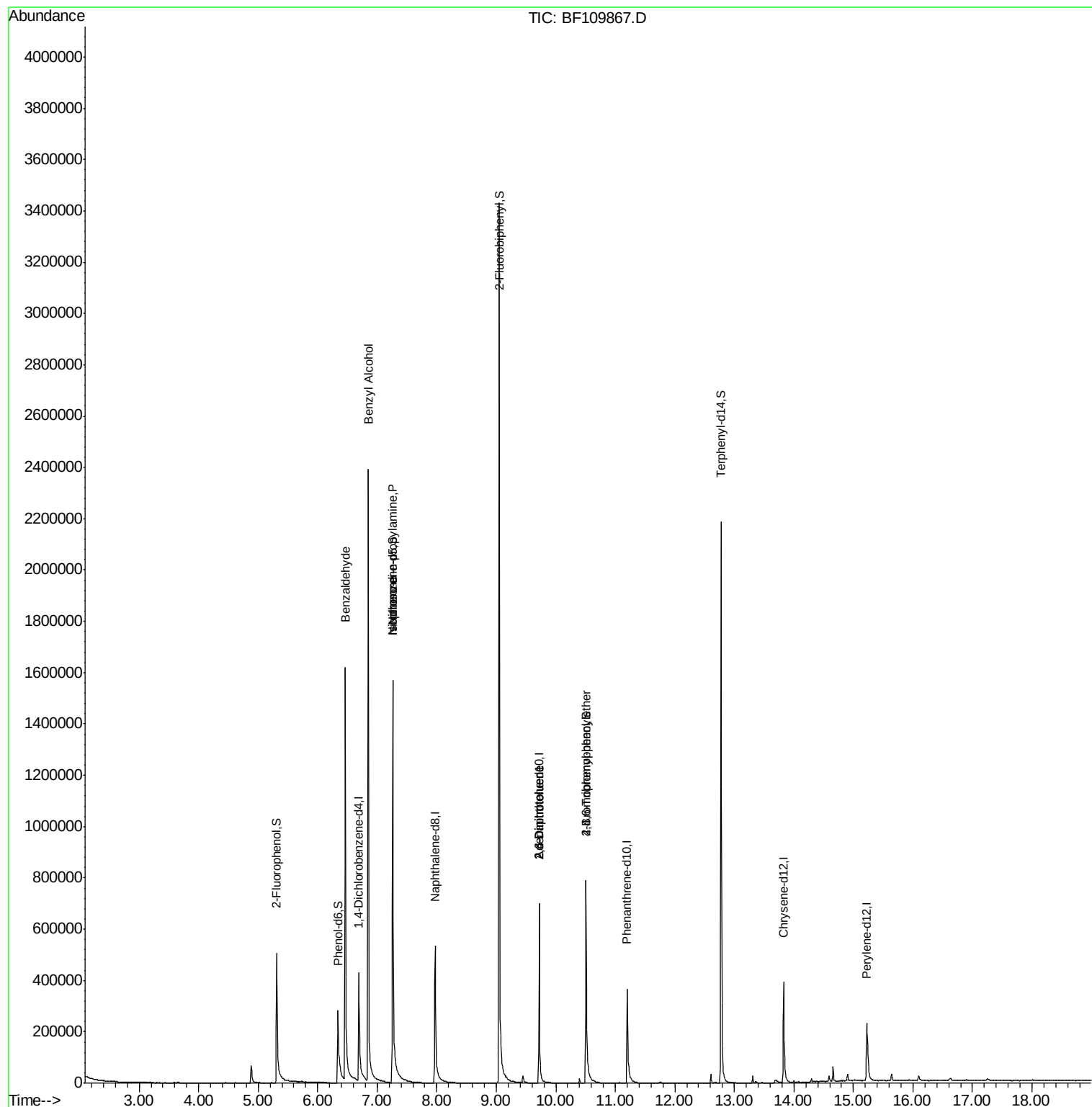
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	11703	2.462	ng	# 78
15) Benzyl Alcohol	6.85	79	11793	2.154	ng	# 51
19) n-Nitroso-di-n-propylamine	7.26	70	100082	19.324	ng	# 77
25) Isophorone	7.26	82	783583	65.400	ng	# 67
50) 2,6-Dinitrotoluene	9.72	165	20130	7.686	ng	# 22
56) 2,4-Dinitrotoluene	9.72	165	20130	6.159	ng	# 18
66) 4-Bromophenyl-phenylether	10.50	248	8862	3.125	ng	# 1

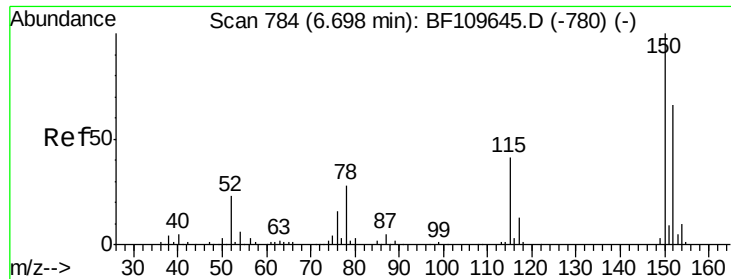
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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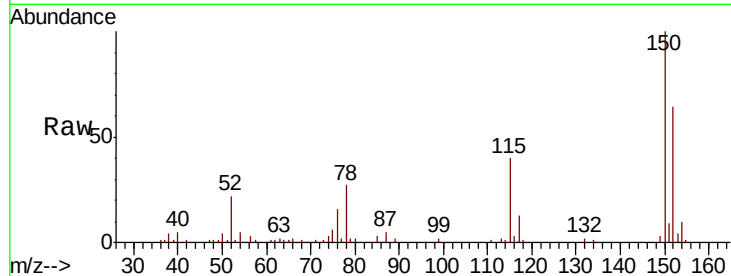


#1

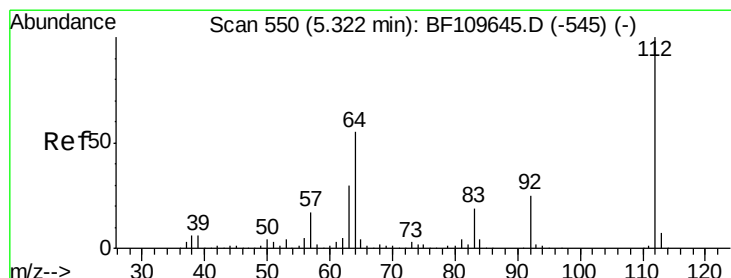
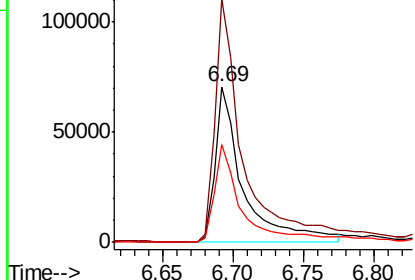
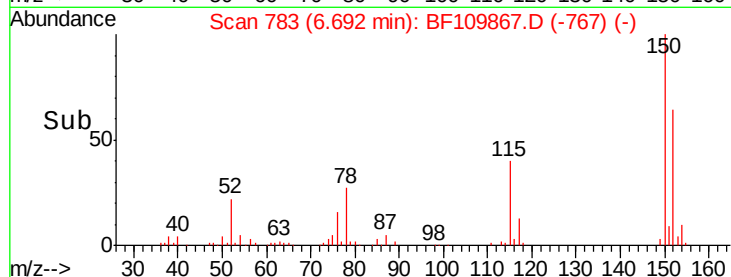
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109867.D
Acq: 13 Oct 2018 6:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 98132
Ion Ratio Lower Upper
152 100
150 156.8 122.7 184.1
115 62.9 49.1 73.7



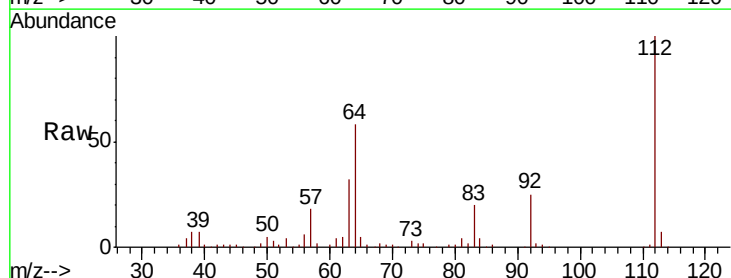
Abundance Ion 152.00 (151.70 to 152.70): E
150000 Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



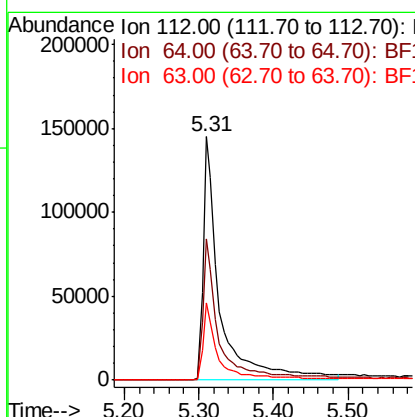
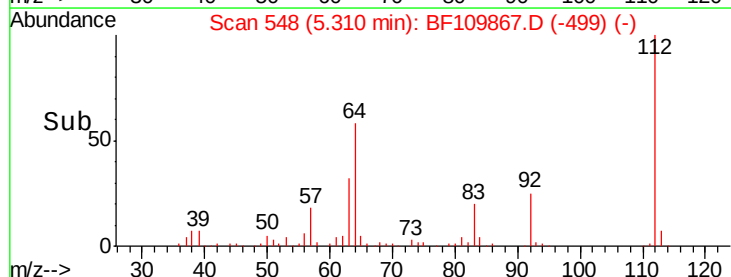
#5

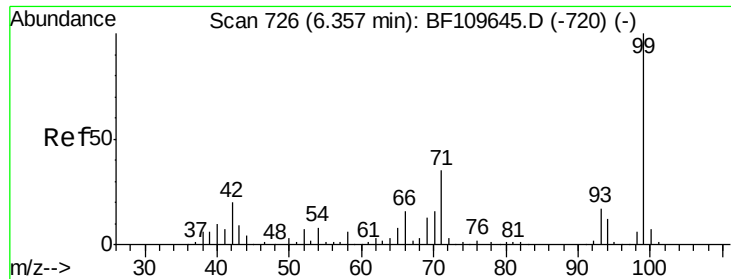
2-Fluorophenol
Concen: 41.741 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109867.D
Acq: 13 Oct 2018 6:53

Tgt Ion:112 Resp: 230764
Ion Ratio Lower Upper
112 100
64 58.0 44.1 66.1
63 31.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
200000 Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 24.873 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109867.D

Acq: 13 Oct 2018 6:53

Instrument :

BNA_F

ClientSampled :

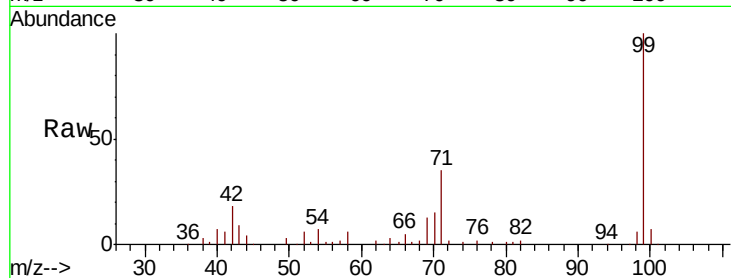
Tot Ion: 99 Resp: 183697

Ion Ratio Lower Upper

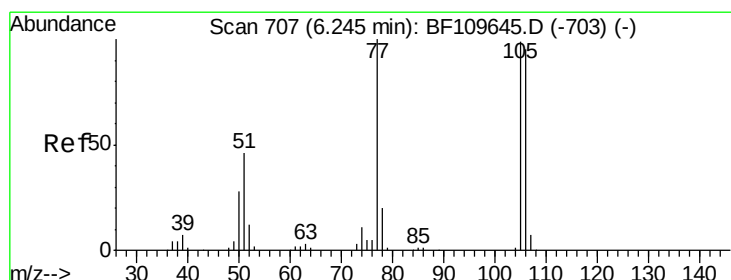
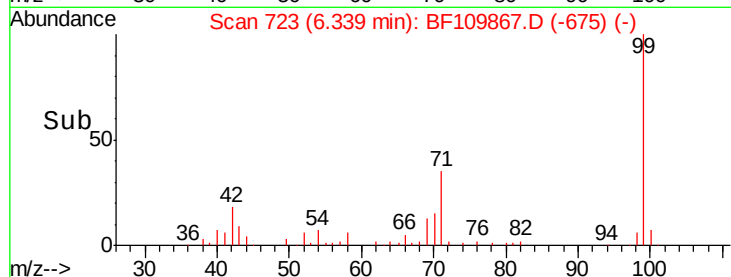
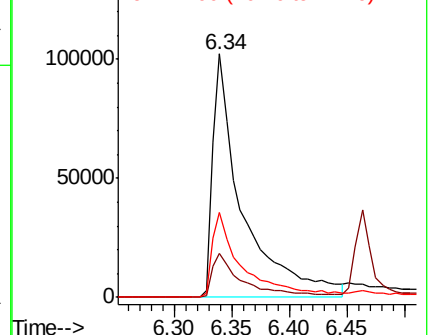
99 100

42 18.0 15.8 23.6

71 34.7 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: 2.462 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.22 min

Lab File: BF109867.D

Acq: 13 Oct 2018 6:53

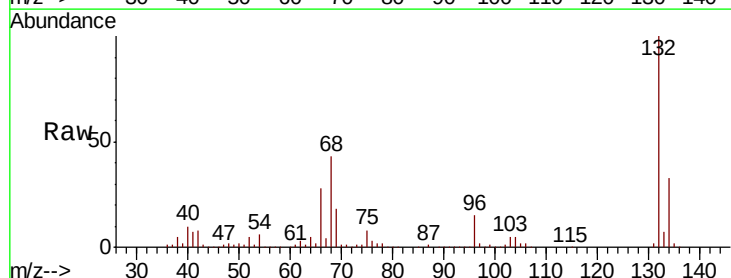
Tgt Ion: 77 Resp: 11703

Ion Ratio Lower Upper

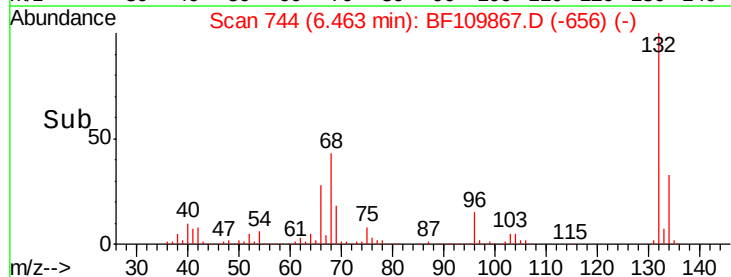
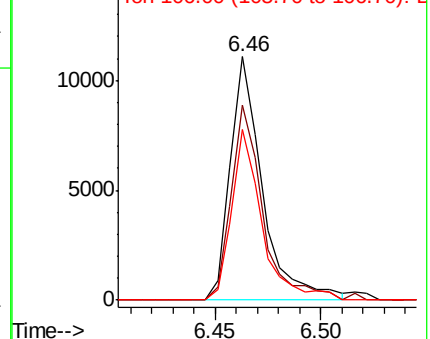
77 100

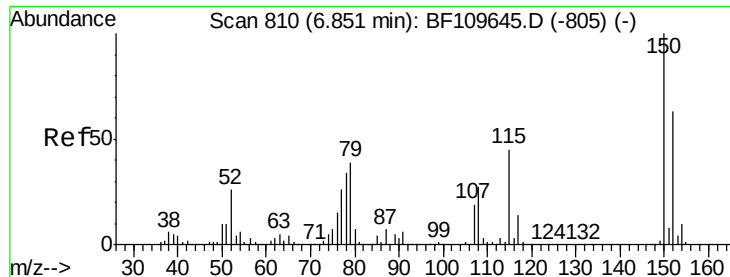
105 80.0 78.6 118.6

106 70.1 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: 2.154 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF109867.D

Acq: 13 Oct 2018 6:53

Instrument :

BNA_F

ClientSampled :

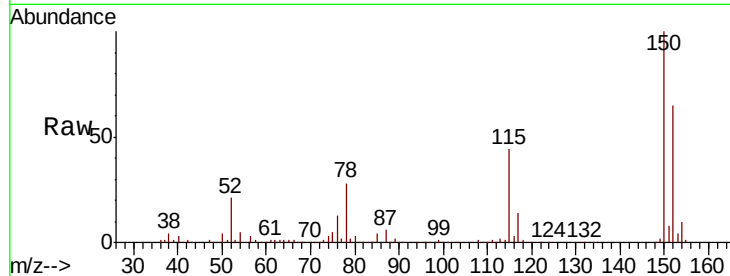
Tot Ion: 79 Resp: 11793

Ion Ratio Lower Upper

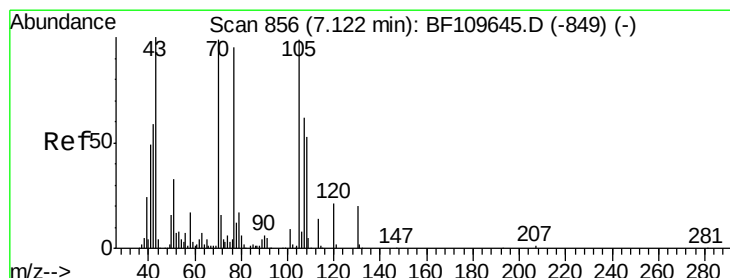
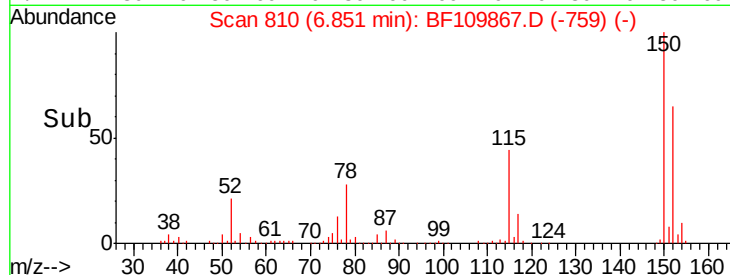
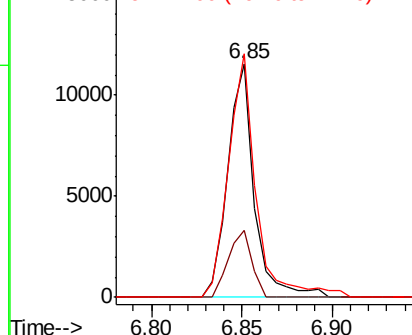
79 100

108 28.4 56.3 84.5#

77 104.2 52.9 79.3#



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



#19

n-Nitroso-di-n-propylamine

Concen: 19.324 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF109867.D

Acq: 13 Oct 2018 6:53

Tgt Ion: 70 Resp: 100082

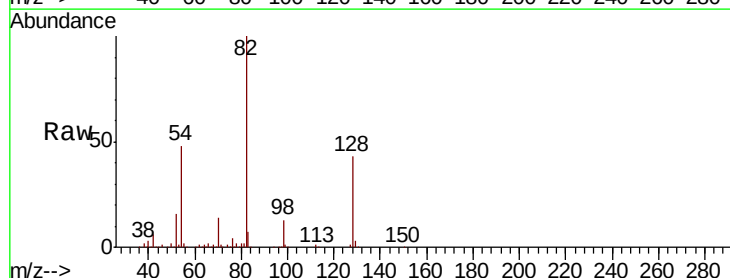
Ion Ratio Lower Upper

70 100

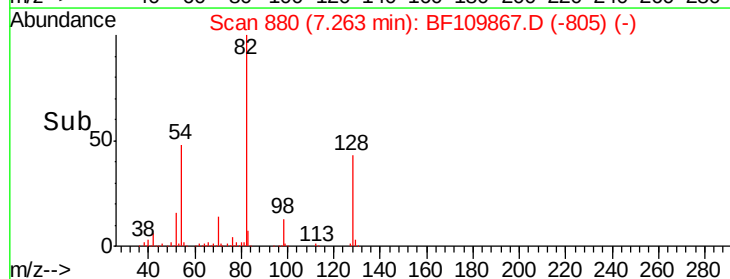
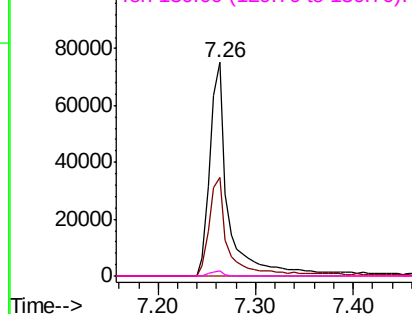
42 46.3 47.4 71.2#

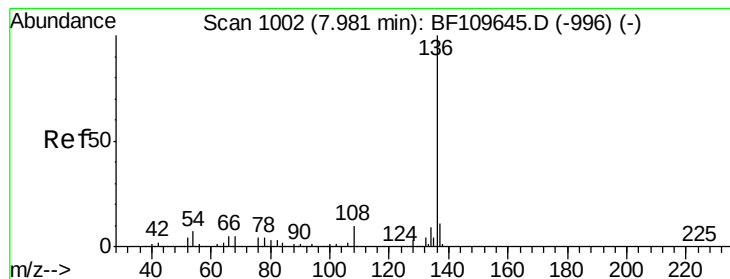
101 0.0 7.3 10.9#

130 2.1 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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109867.D

Acq: 13 Oct 2018 6:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 397731

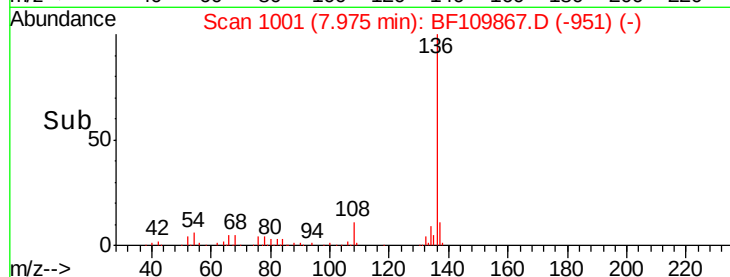
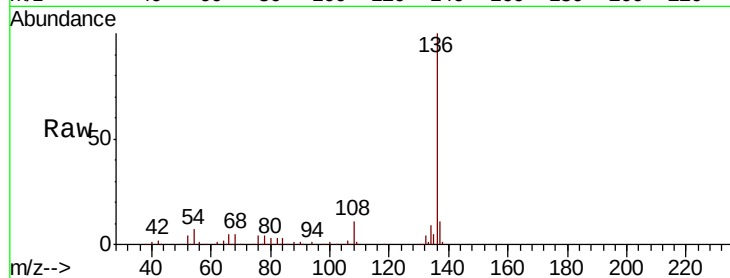
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 6.5 5.4 8.2

68 5.3 4.2 6.2

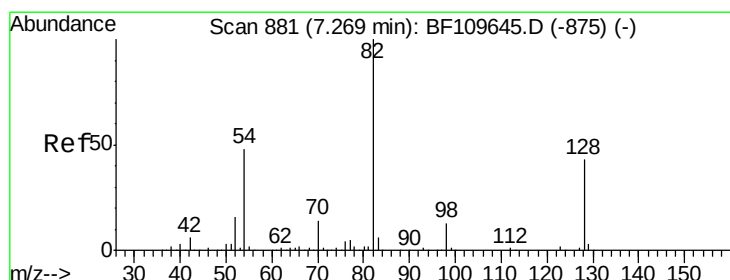
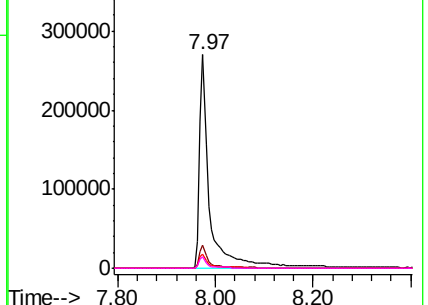


Abundance Ion 136.00 (135.70 to 136.70): E

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: 107.876 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF109867.D

Acq: 13 Oct 2018 6:53

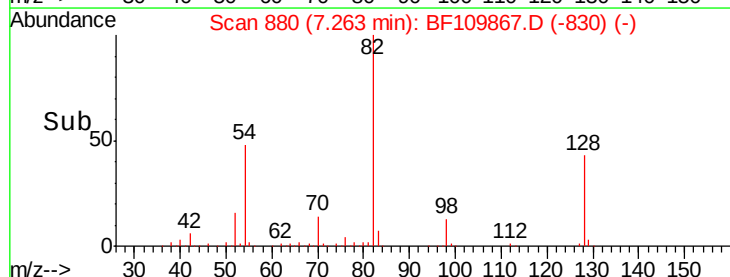
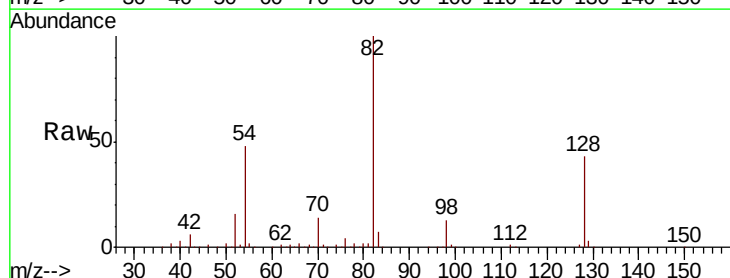
Tgt Ion: 82 Resp: 778359

Ion Ratio Lower Upper

82 100

128 43.2 34.2 51.2

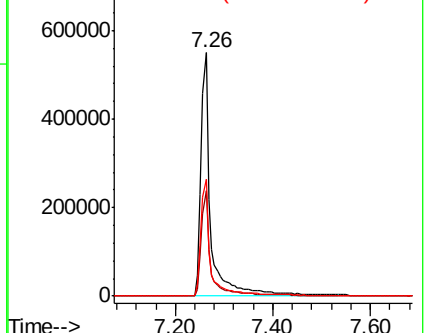
54 48.0 38.6 58.0

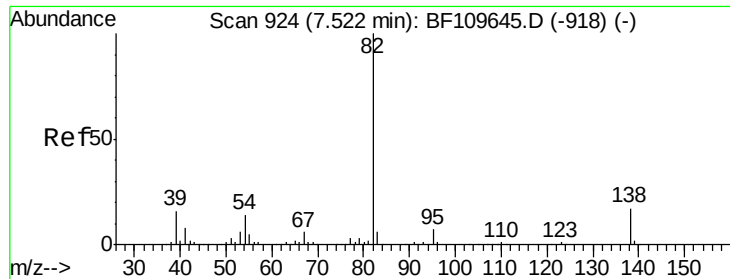


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 65.400 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.26 min

Lab File: BF109867.D

Acq: 13 Oct 2018 6:53

Instrument :

BNA_F

ClientSampleId :

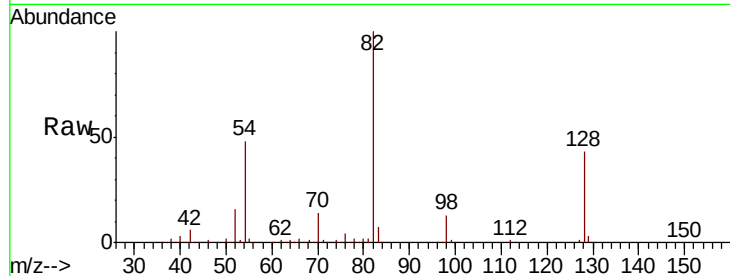
Tot Ion: 82 Resp: 783583

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

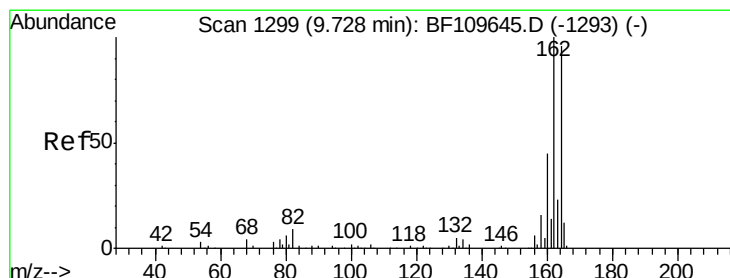
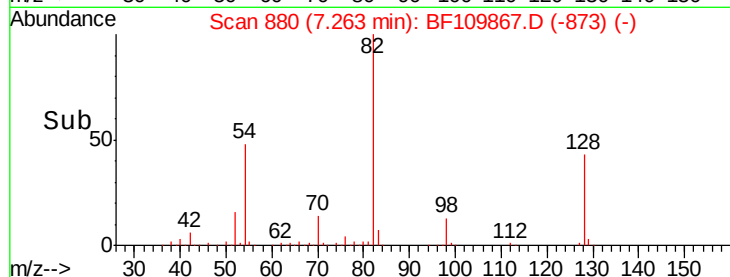
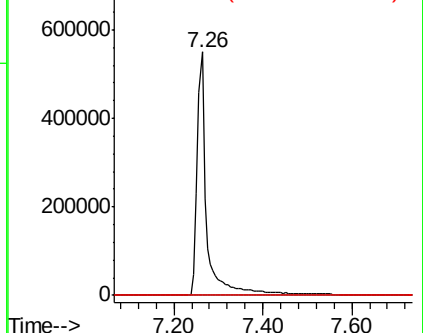
138 0.0 13.2 19.8#



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: BF109867.D

Acq: 13 Oct 2018 6:53

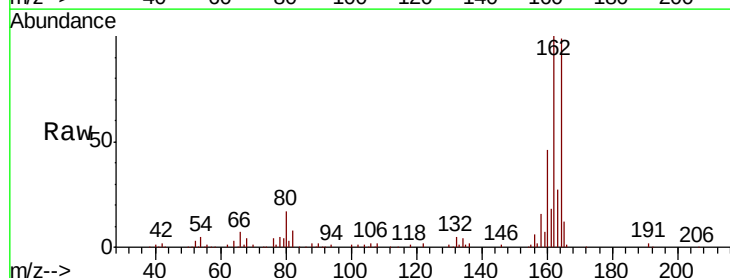
Tgt Ion: 164 Resp: 164748

Ion Ratio Lower Upper

164 100

162 101.4 83.0 124.6

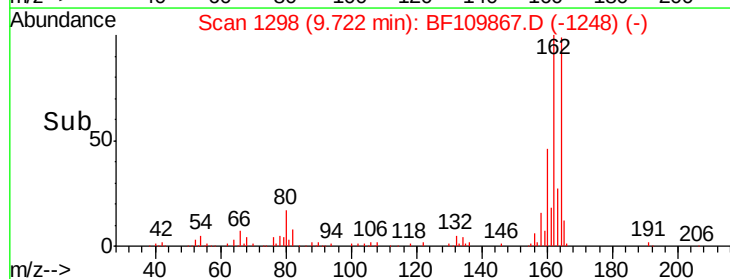
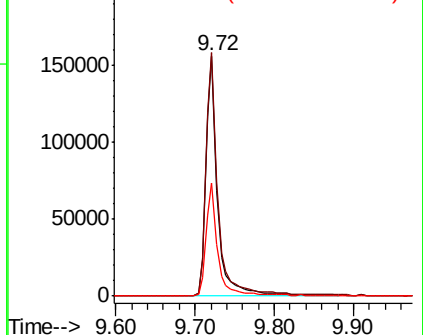
160 47.1 37.0 55.6

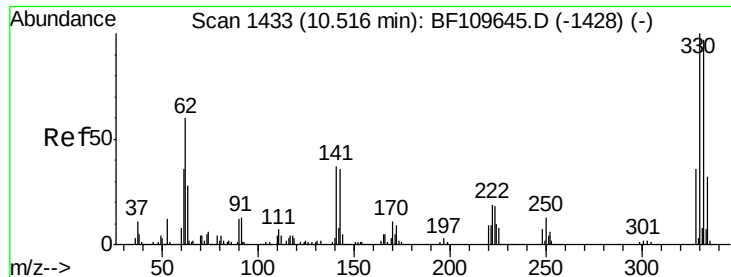


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

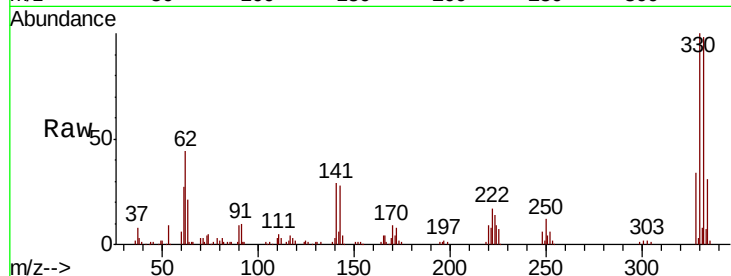




#41
 2,4,6-Tribromophenol
 Concen: 81.142 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109867.D
 Acq: 13 Oct 2018 6:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	77.1	115.7
141	35.3	27.0	40.4

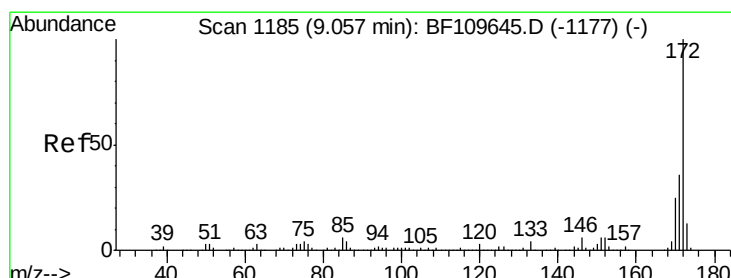
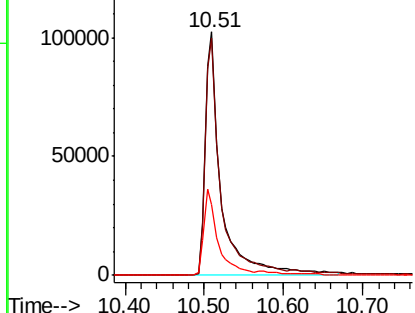
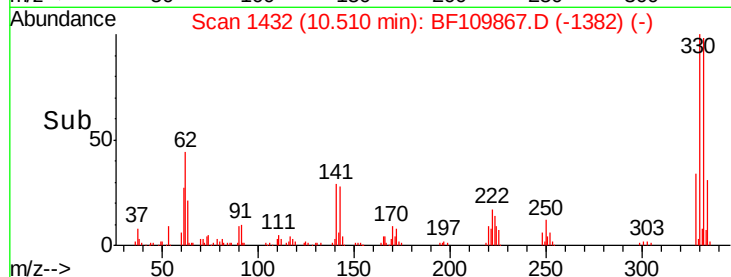


Abundance

Ion 329.80 (329.50 to 330.50): E

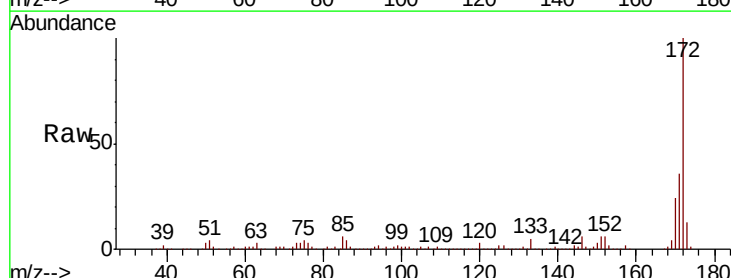
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 109.640 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109867.D
 Acq: 13 Oct 2018 6:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.3	19.7	29.5

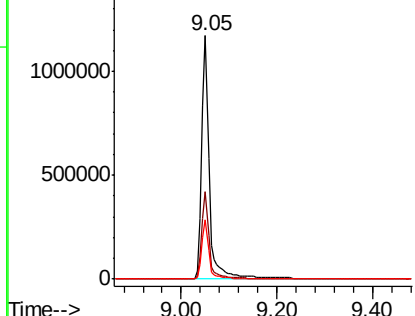
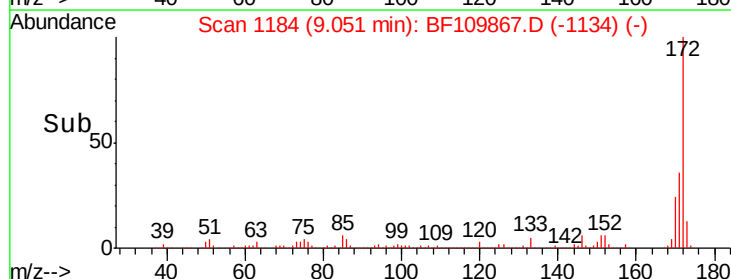


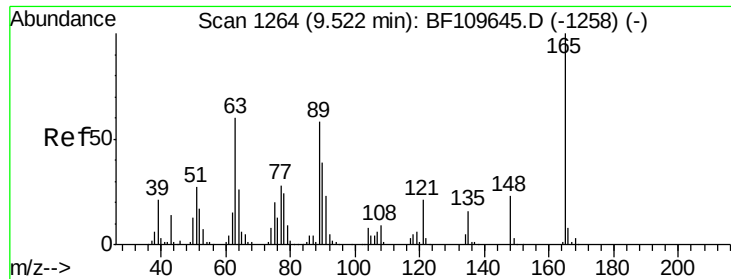
Abundance

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

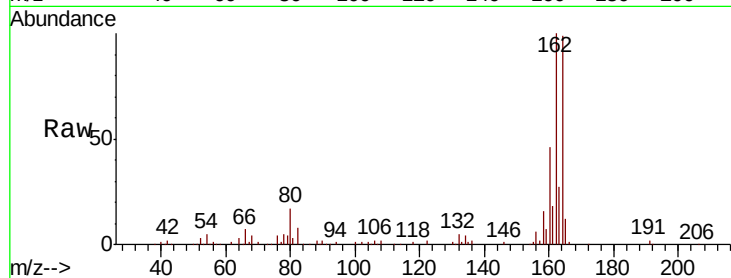




#50
 2,6-Dinitrotoluene
 Concen: 7.686 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. 0.20 min
 Lab File: BF109867.D
 Acq: 13 Oct 2018 6:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	1.8	46.6	69.8#

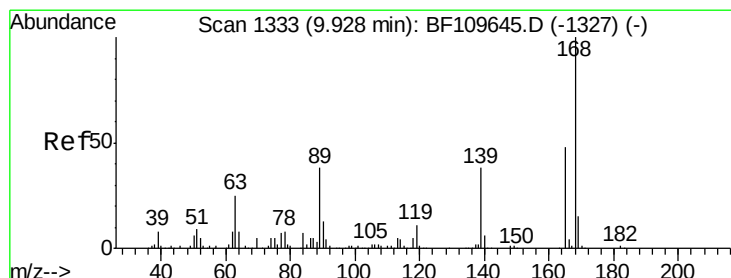
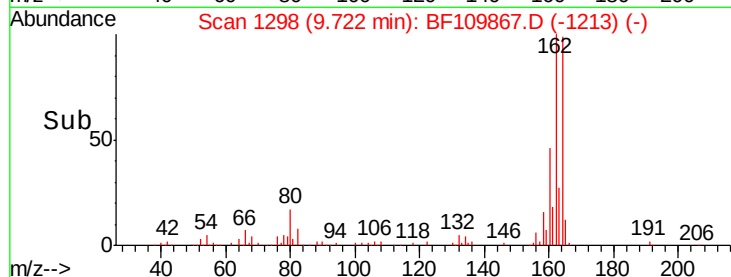
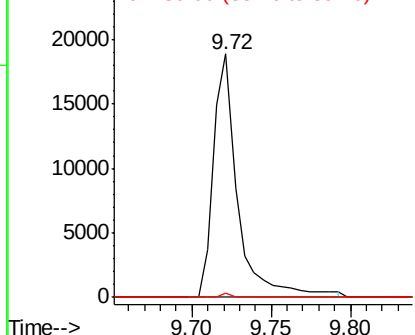


Abundance

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: 6.159 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF109867.D
 Acq: 13 Oct 2018 6:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	1.8	62.2	93.4#
182	0.0	2.1	3.1#

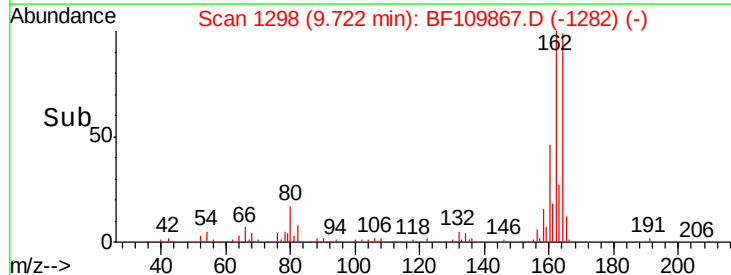
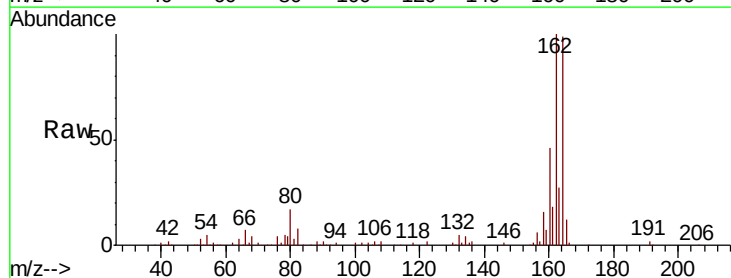
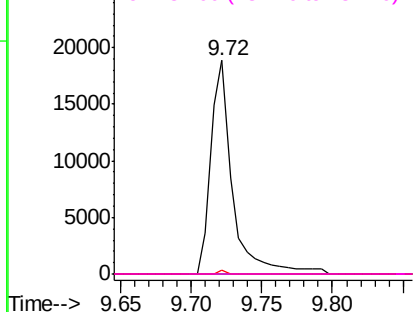
Abundance

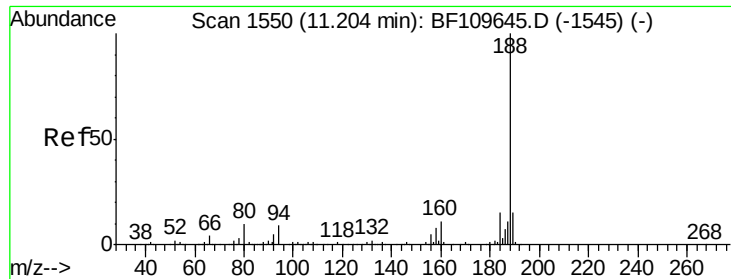
Ion 165.00 (164.70 to 165.70): E

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

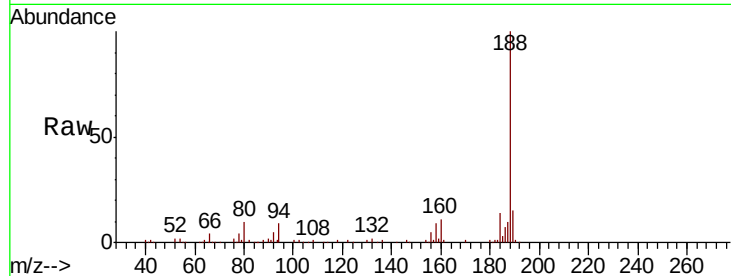




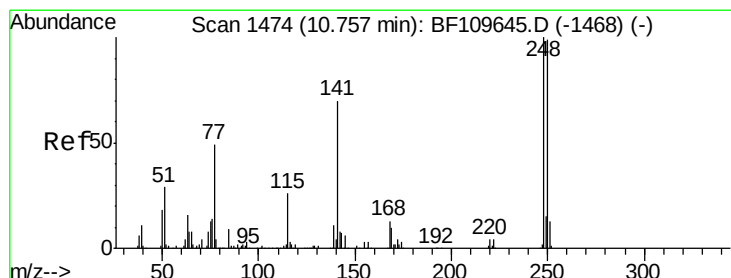
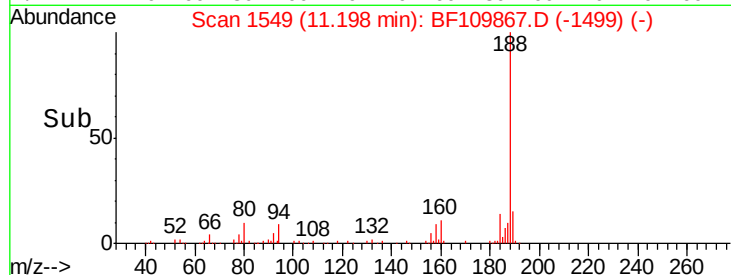
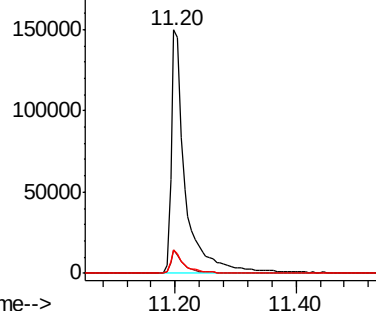
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF109867.D
Acq: 13 Oct 2018 6:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 246787
Ion Ratio Lower Upper
188 100
94 9.5 7.2 10.8
80 9.6 7.9 11.9

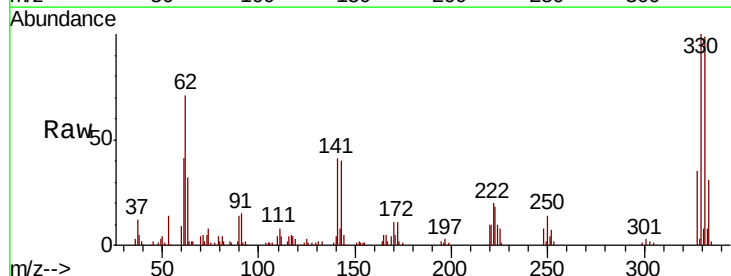


Abundance Ion 188.00 (187.70 to 188.70): E
200000
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

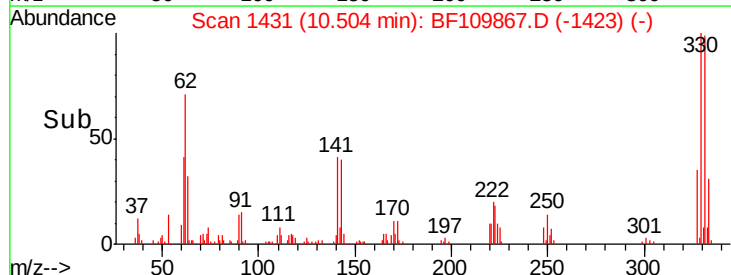
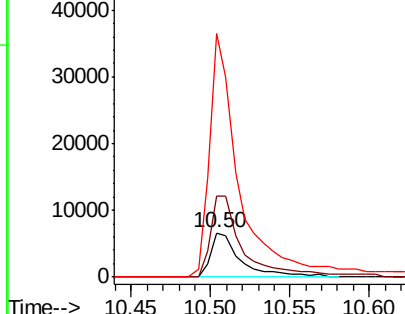


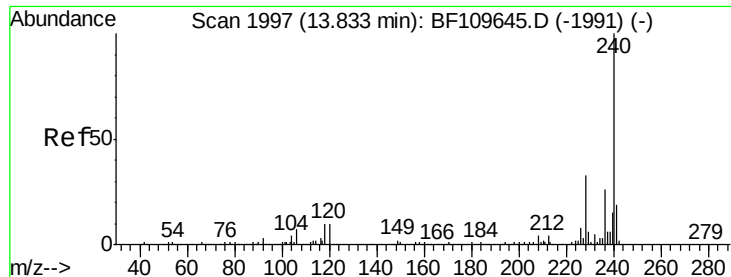
#66
4-Bromophenyl-phenylether
Concen: 3.125 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.25 min
Lab File: BF109867.D
Acq: 13 Oct 2018 6:53

Tgt Ion:248 Resp: 8862
Ion Ratio Lower Upper
248 100
250 182.6 79.4 119.2#
141 550.7 55.9 83.9#



Abundance Ion 248.00 (247.70 to 248.70): E
50000
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: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109867.D

Acq: 13 Oct 2018 6:53

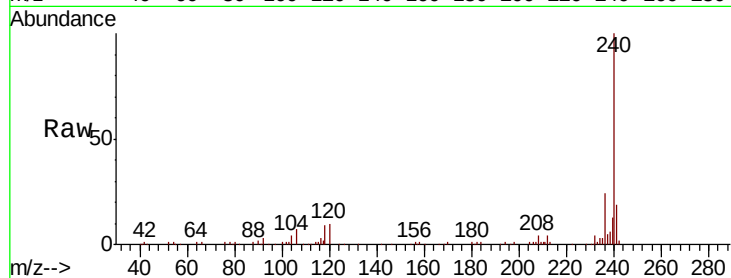
Instrument :

BNA_F

ClientSampleId :

Tot Ion:240 Resp: 201590

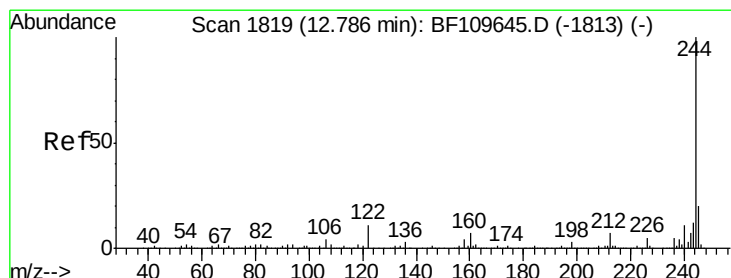
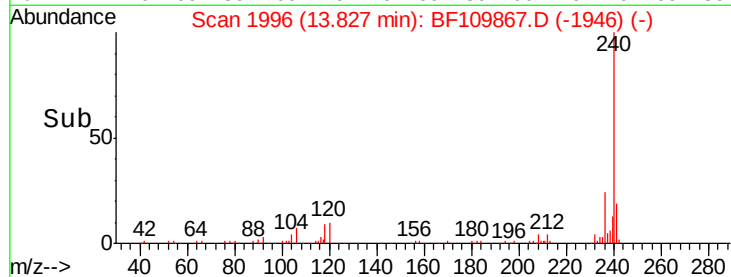
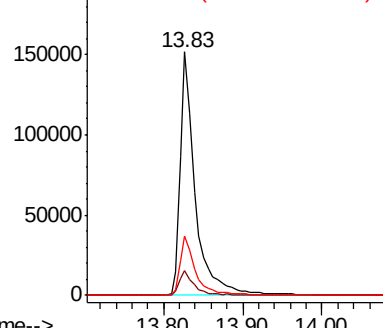
Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.3	12.5
236	24.3	21.2	31.8



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: 80.753 ng

RT: 12.78 min Scan# 1818

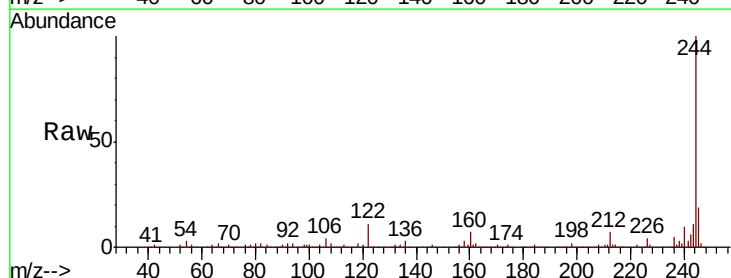
Delta R.T. -0.01 min

Lab File: BF109867.D

Acq: 13 Oct 2018 6:53

Tgt Ion:244 Resp: 840927

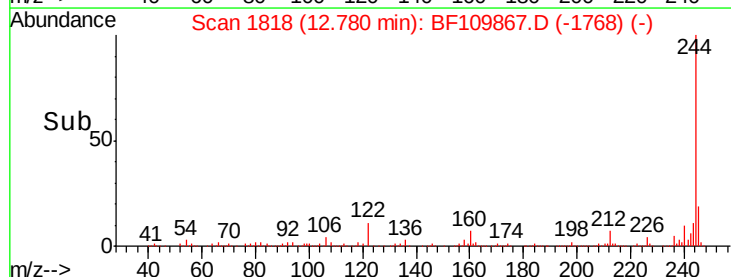
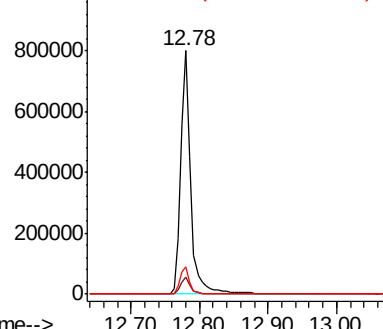
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	11.0	8.7	13.1

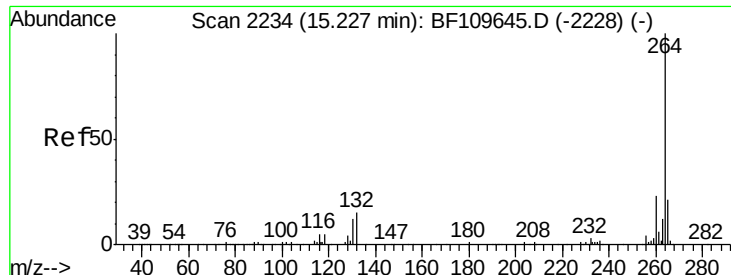


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF109867.D
 Acq: 13 Oct 2018 6:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	22.1	16.7	25.1

