

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108333.D
 Acq On : 21 Aug 2018 12:37
 Operator : JU/SJ
 Sample : J4521-09RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11969

Quant Time: Aug 21 13:08:20 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

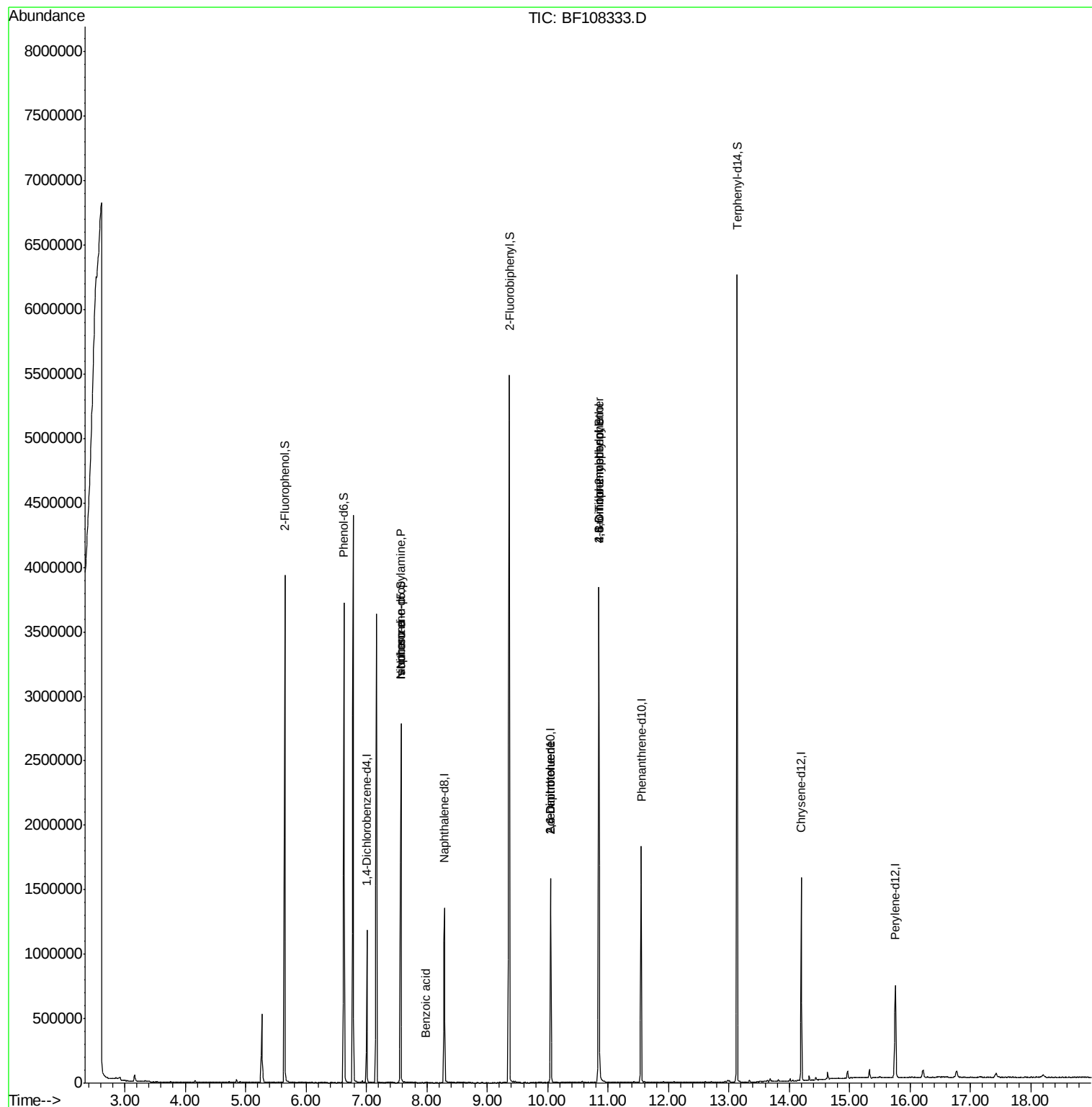
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	160899	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	606662	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	312830	20.00	ng	-0.02
63) Phenanthrene-d10	11.55	188	670805	20.00	ng	-0.01
75) Chrysene-d12	14.20	240	534921	20.00	ng	-0.02
86) Perylene-d12	15.75	264	366585	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1033235	116.26	ng	0.02
7) Phenol-d6	6.63	99	1248982	105.76	ng	0.00
23) Nitrobenzene-d5	7.57	82	1038268	95.50	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	516521	165.53	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	1873076	96.13	ng	-0.01
78) Terphenyl-d14	13.14	244	2401537	114.15	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.57	70	141822	17.758	ng	# 82
25) Isophorone	7.57	82	1036160	50.003	ng	# 64
32) Benzoic acid	7.98	122	109	5.992	ng	# 55
50) 2,6-Dinitrotoluene	10.05	165	40413	8.864	ng	# 26
56) 2,4-Dinitrotoluene	10.05	165	40413	6.886	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	1107	5.749	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	33072	4.537	ng	# 1

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

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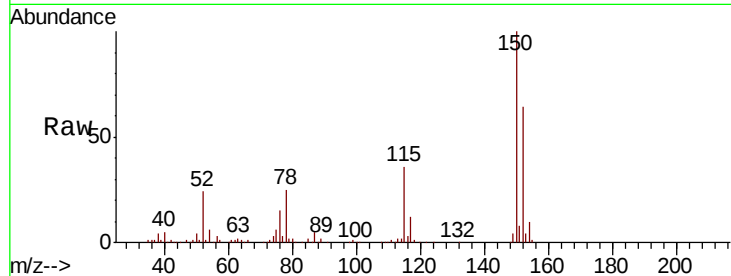


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF108333.D
Acq: 21 Aug 2018 12:37

Instrument :
BNA_F
ClientSampleId :
72-11969

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	186.8
115	57.4	50.1	75.1

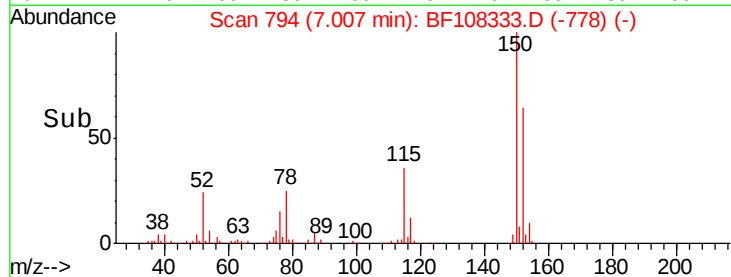
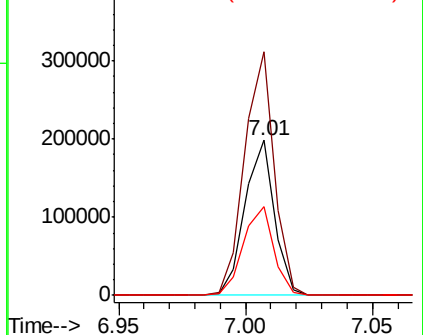


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

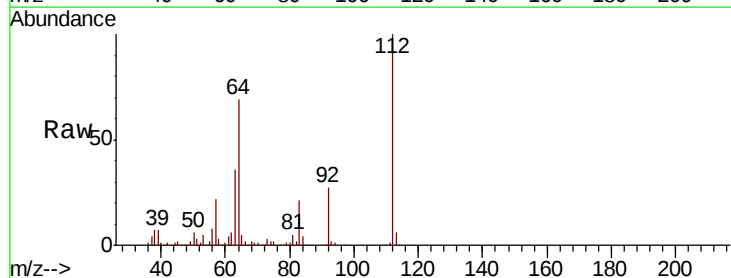
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 116.261 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108333.D
Acq: 21 Aug 2018 12:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	47.9	71.9
63	35.8	23.7	35.5#

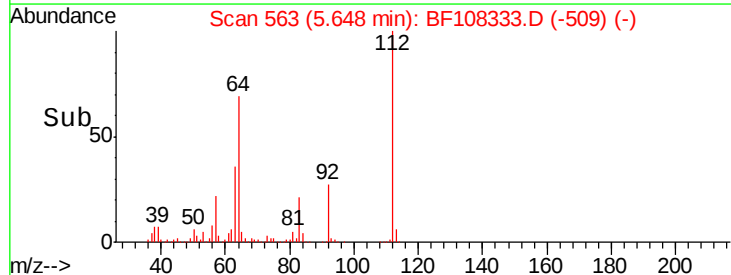
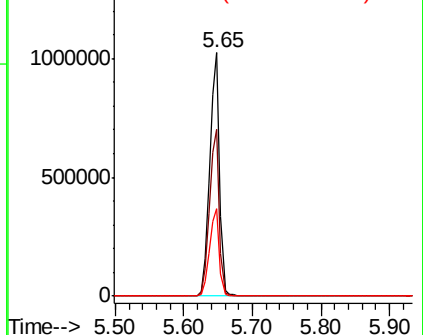


Abundance

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: 105.757 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108333.D

Acq: 21 Aug 2018 12:37

Instrument :

BNA_F

ClientSampleId :

72-11969

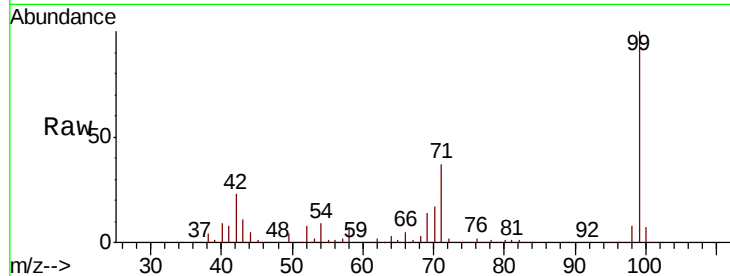
Tot Ion: 99 Resp: 1248982

Ion Ratio Lower Upper

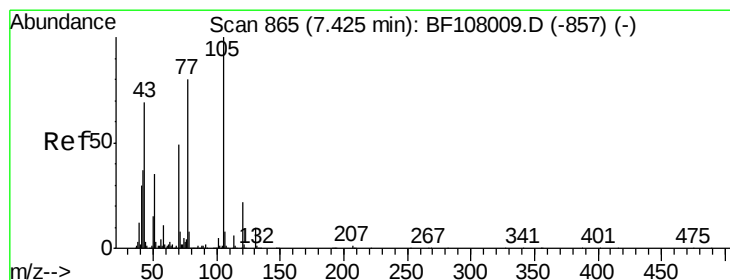
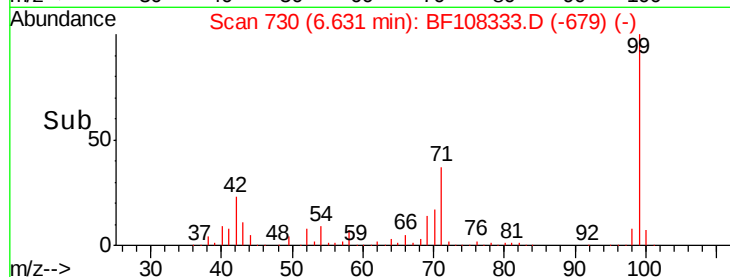
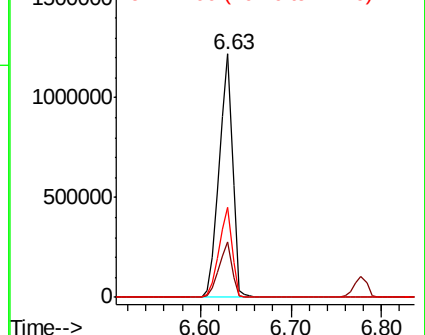
99 100

42 22.7 14.5 21.7#

71 37.0 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: 17.758 ng

RT: 7.57 min Scan# 890

Delta R.T. 0.15 min

Lab File: BF108333.D

Acq: 21 Aug 2018 12:37

Tgt Ion: 70 Resp: 141822

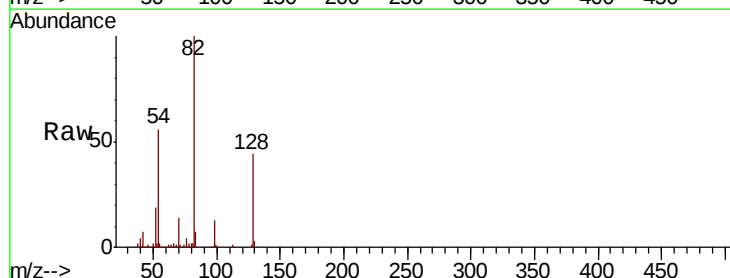
Ion Ratio Lower Upper

70 100

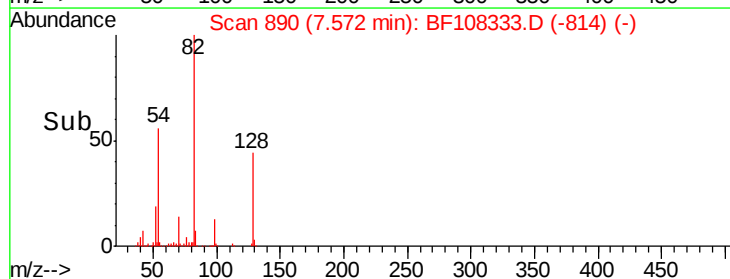
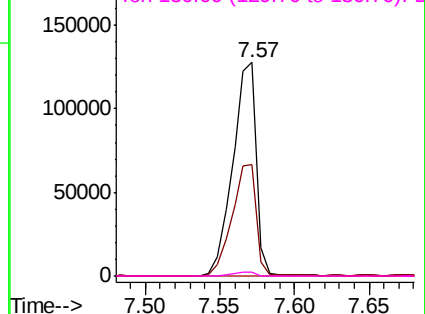
42 52.4 47.5 71.3

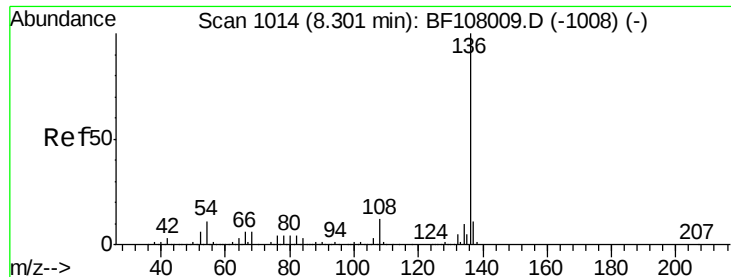
101 0.0 7.4 11.2#

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

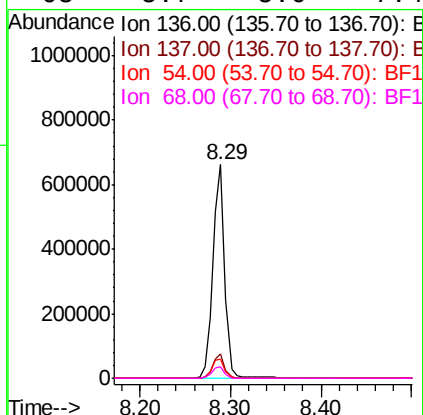
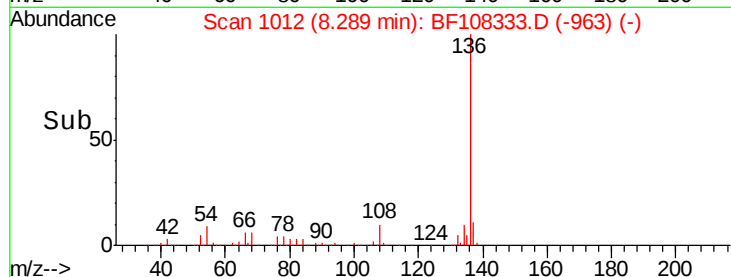
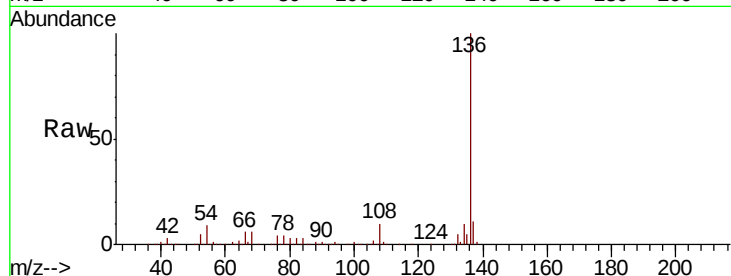




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.29 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF108333.D
Acq: 21 Aug 2018 12:37

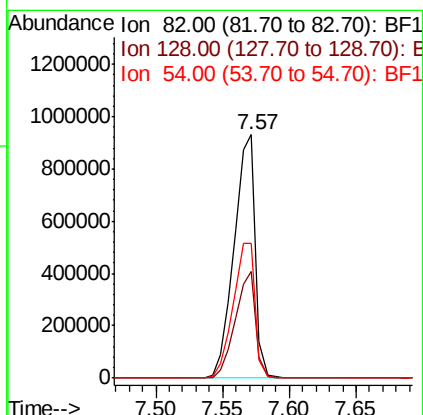
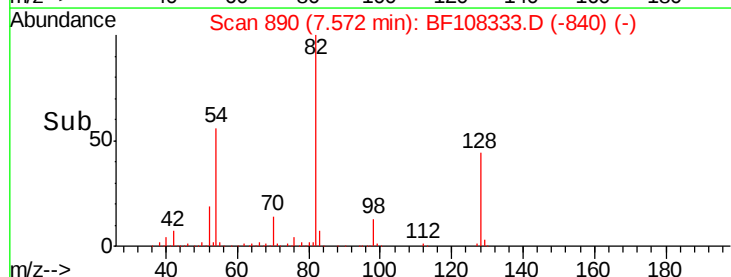
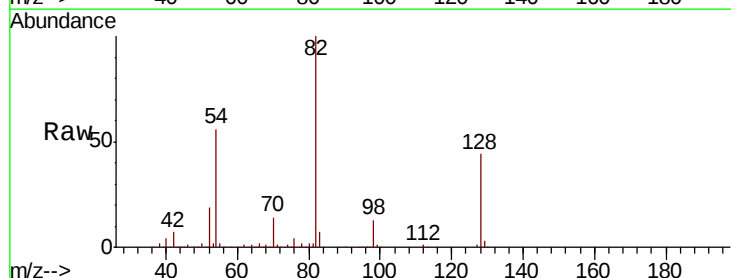
Instrument :
BNA_F
ClientSampleId :
72-11969

Tot Ion:136	Resp:	606662
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.9 13.3
54	9.2	6.6 9.8
68	5.7	5.0 7.4



#23
Nitrobenzene-d5
Concen: 95.501 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108333.D
Acq: 21 Aug 2018 12:37

Tgt Ion: 82	Resp:	1038268
Ion	Ratio	Lower Upper
82	100	
128	44.0	36.1 54.1
54	55.5	41.4 62.2

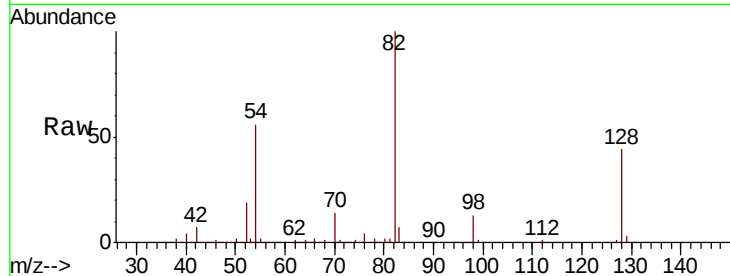




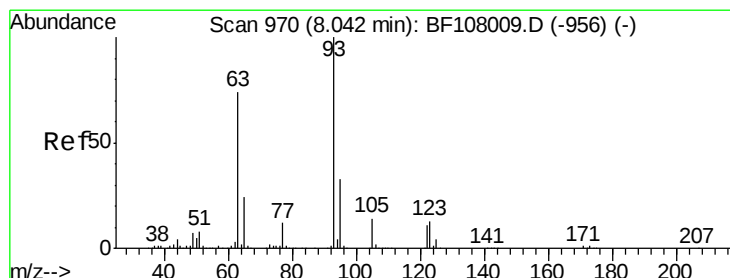
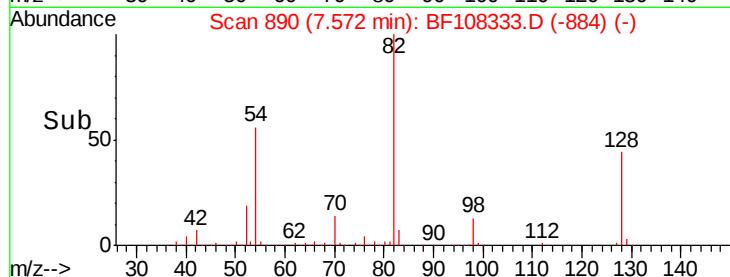
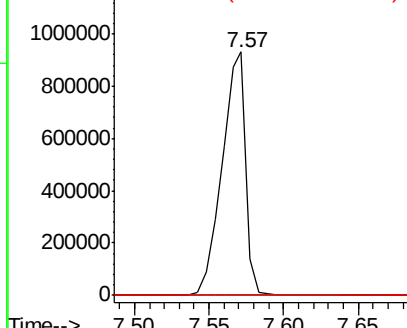
#25
Isophorone
Concen: 50.003 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.26 min
Lab File: BF108333.D
Acq: 21 Aug 2018 12:37

Instrument :
BNA_F
ClientSampleId :
72-11969

Tot Ion: 82 Resp: 1036160
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

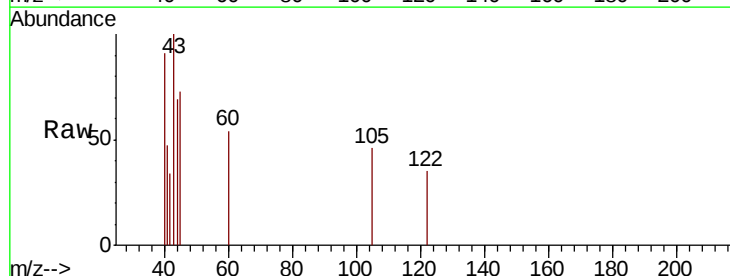


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

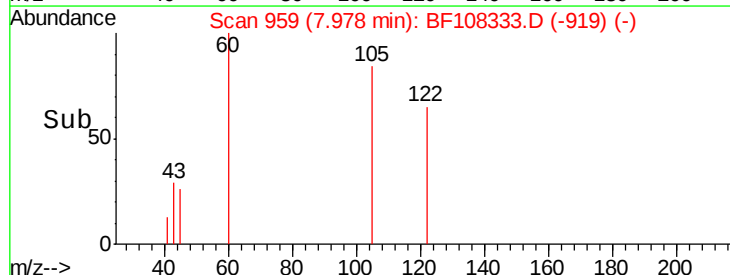
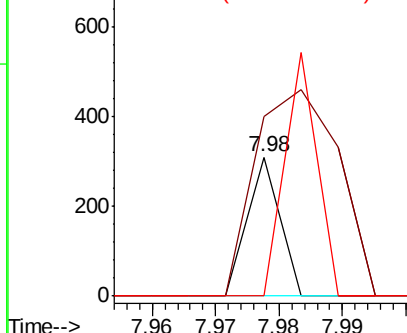


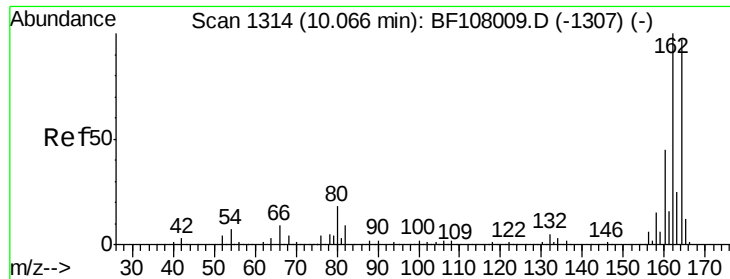
#32
Benzoic acid
Concen: 5.992 ng
RT: 7.98 min Scan# 959
Delta R.T. -0.06 min
Lab File: BF108333.D
Acq: 21 Aug 2018 12:37

Tgt Ion: 122 Resp: 109
Ion Ratio Lower Upper
122 100
105 129.8 101.1 141.1
77 0.0 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

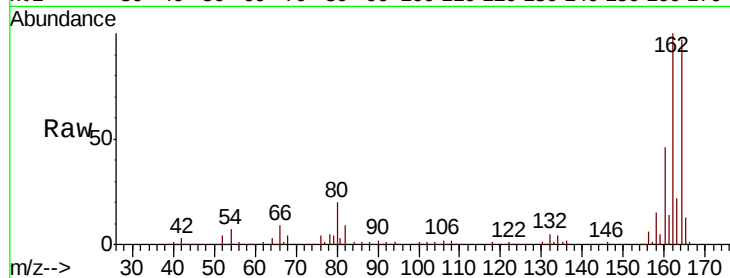




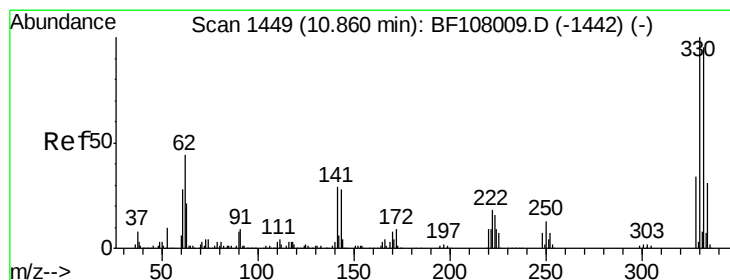
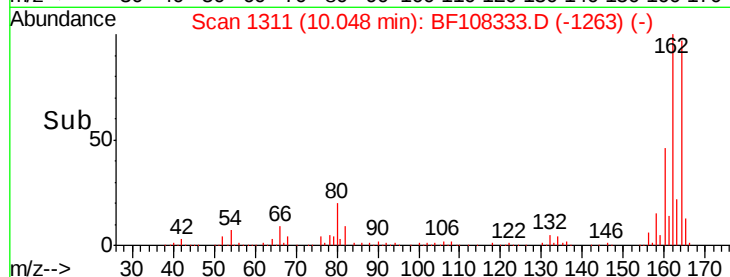
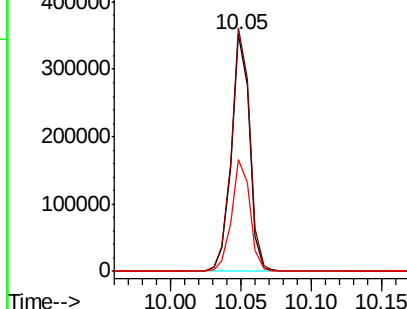
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BF108333.D
 Acq: 21 Aug 2018 12:37

Instrument :
 BNA_F
 ClientSampleId :
 72-11969

Tot Ion:164 Resp: 312830
 Ion Ratio Lower Upper
 164 100
 162 102.7 86.1 129.1
 160 47.1 38.3 57.5

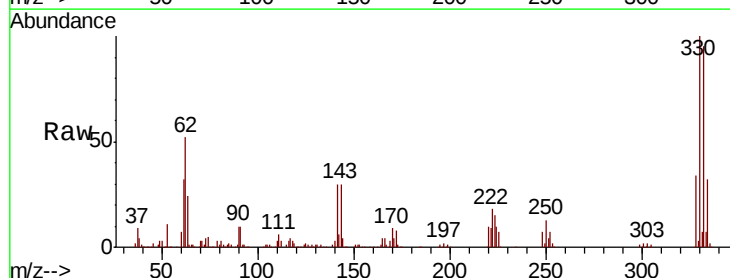


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

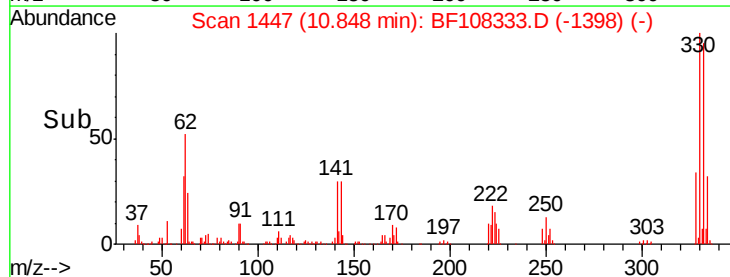
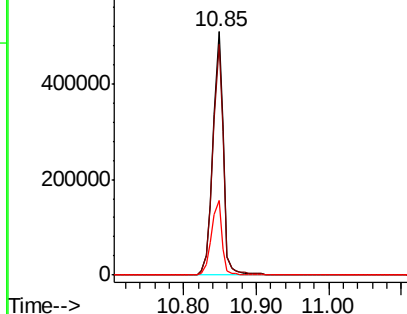


#41
 2,4,6-Tribromophenol
 Concen: 165.530 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF108333.D
 Acq: 21 Aug 2018 12:37

Tgt Ion:330 Resp: 516521
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 31.3 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

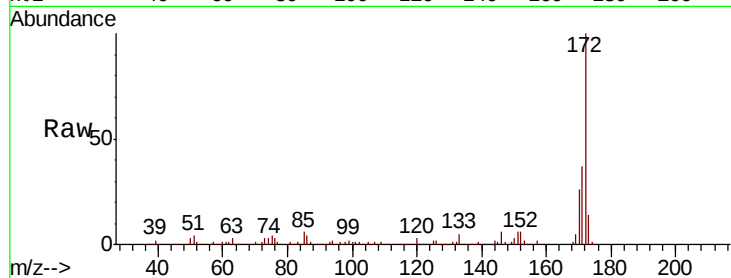




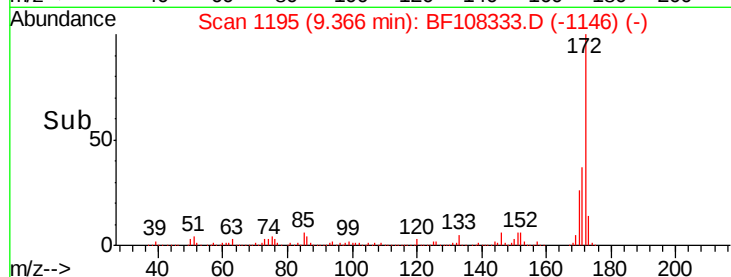
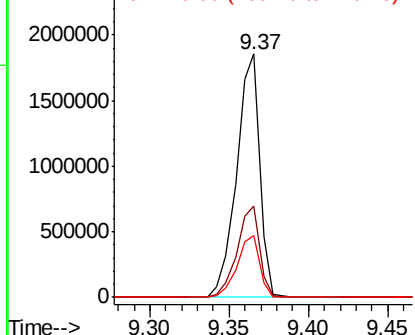
#44
 2-Fluorobiphenyl
 Concen: 96.128 ng
 RT: 9.37 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF108333.D
 Acq: 21 Aug 2018 12:37

Instrument :
 BNA_F
 ClientSampleId :
 72-11969

Tot Ion:172 Resp: 1873076
 Ion Ratio Lower Upper
 172 100
 171 37.5 29.7 44.5
 170 25.5 19.6 29.4

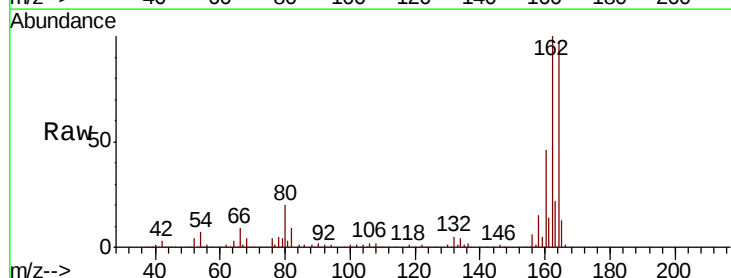


Abundance Ion 172.00 (171.70 to 172.70): E
 2500000 Ion 171.00 (170.70 to 171.70): E
 2000000 Ion 170.00 (169.70 to 170.70): E

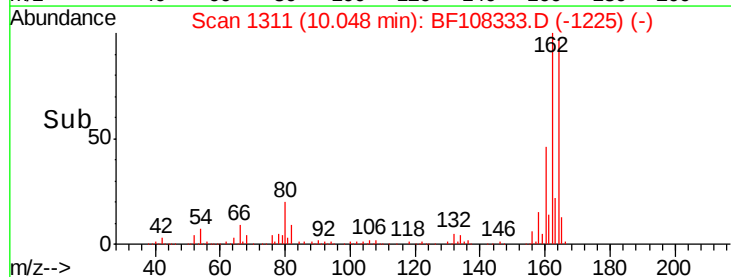
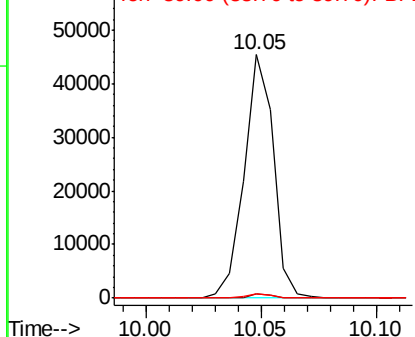


#50
 2,6-Dinitrotoluene
 Concen: 8.864 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. 0.21 min
 Lab File: BF108333.D
 Acq: 21 Aug 2018 12:37

Tgt Ion:165 Resp: 40413
 Ion Ratio Lower Upper
 165 100
 63 1.6 44.7 67.1#
 89 1.5 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 60000 Ion 63.00 (62.70 to 63.70): BF1
 50000 Ion 89.00 (88.70 to 89.70): BF1

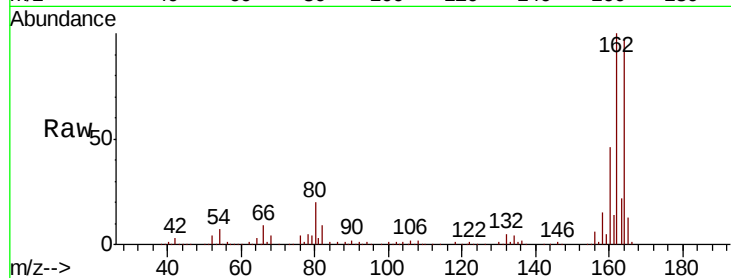




#56
 2,4-Dinitrotoluene
 Concen: 6.886 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.20 min
 Lab File: BF108333.D
 Acq: 21 Aug 2018 12:37

Instrument :
 BNA_F
 ClientSampleId :
 72-11969

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

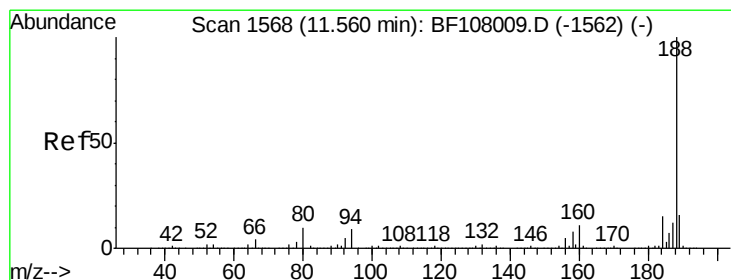
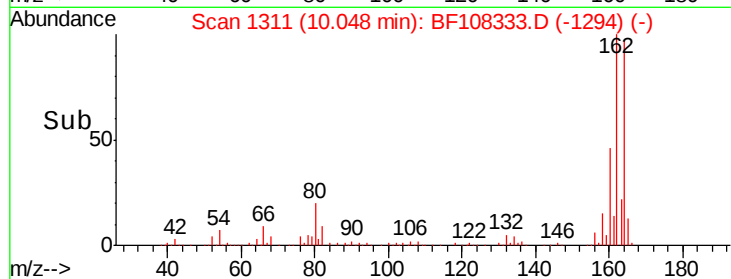
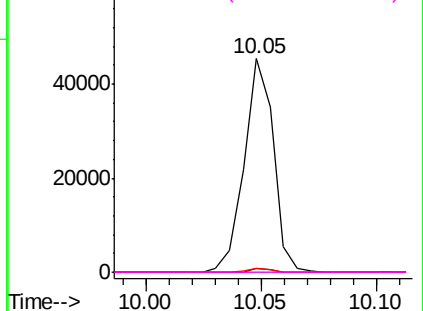


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

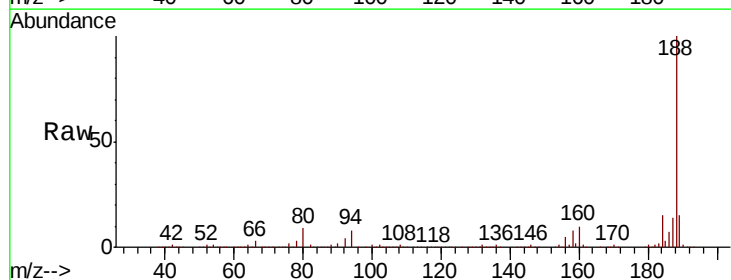
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF108333.D
 Acq: 21 Aug 2018 12:37

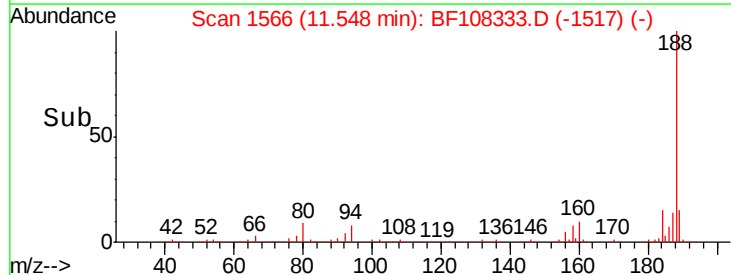
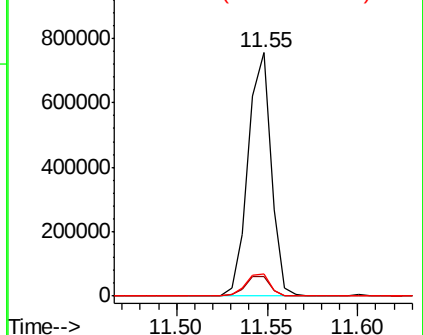
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.5	12.7#
80	9.2	9.2	13.8

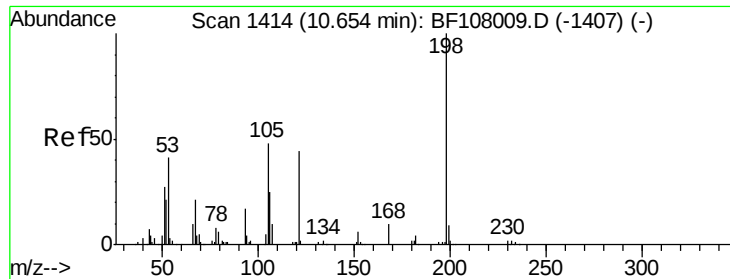


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

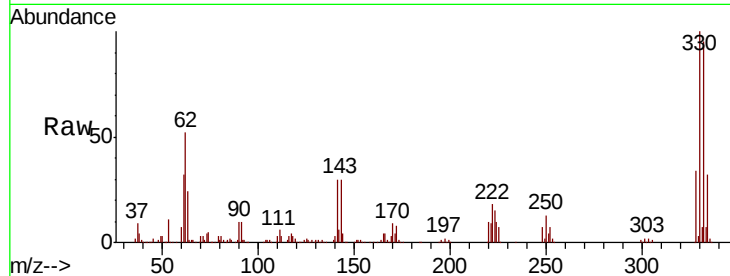




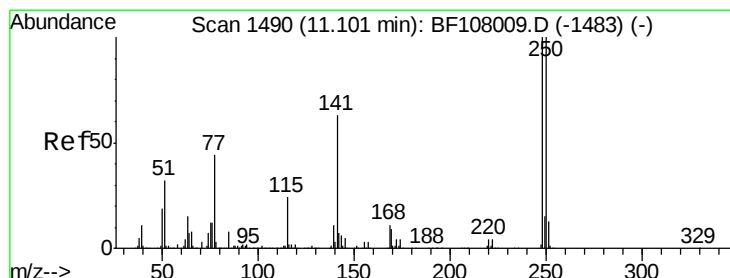
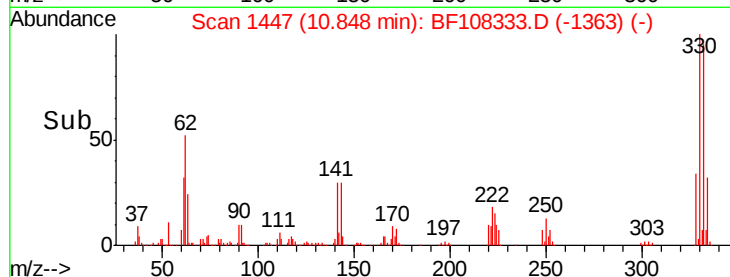
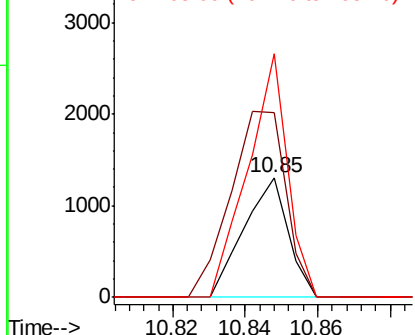
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.749 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. 0.19 min
 Lab File: BF108333.D
 Acq: 21 Aug 2018 12:37

Instrument :
 BNA_F
 ClientSampleId :
 72-11969

Tot Ion:198 Resp: 1107
 Ion Ratio Lower Upper
 198 100
 51 154.2 37.7 77.7#
 105 203.8 36.3 76.3#

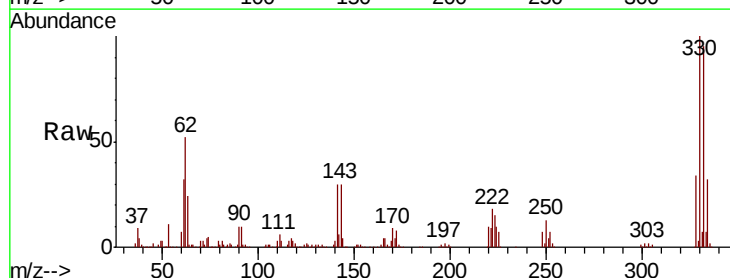


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

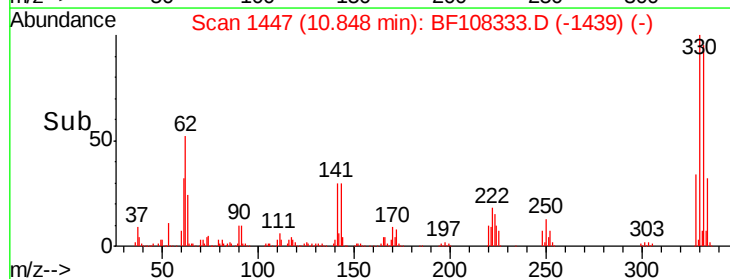
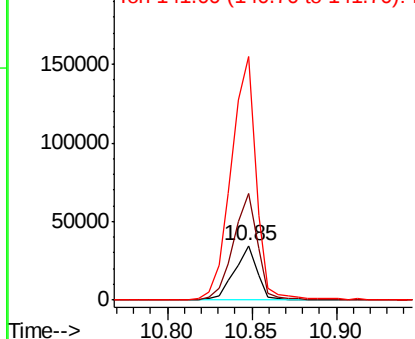


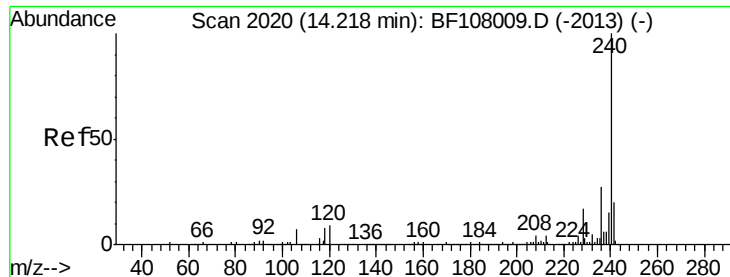
#66
 4-Bromophenyl-phenylether
 Concen: 4.537 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. -0.25 min
 Lab File: BF108333.D
 Acq: 21 Aug 2018 12:37

Tgt Ion:248 Resp: 33072
 Ion Ratio Lower Upper
 248 100
 250 196.4 76.9 115.3#
 141 445.6 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: 14.20 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF108333.D

Acq: 21 Aug 2018 12:37

Instrument :

BNA_F

ClientSampleId :

72-11969

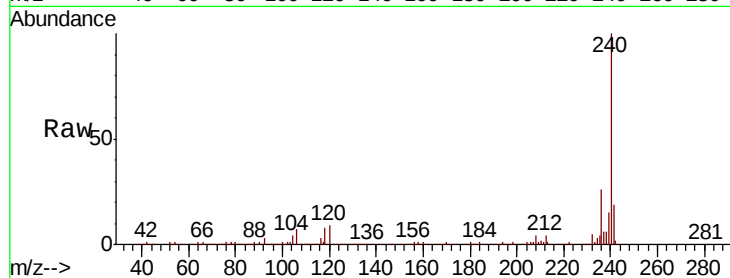
Tot Ion:240 Resp: 534921

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

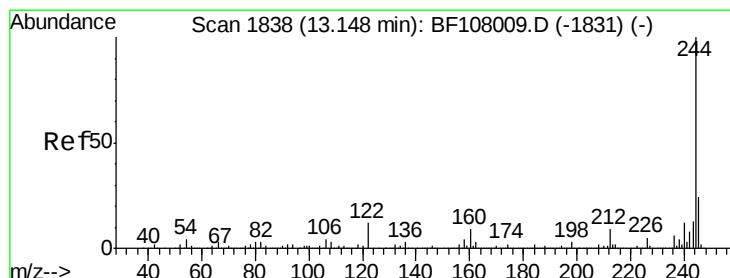
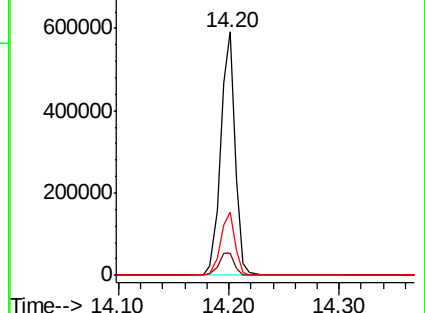
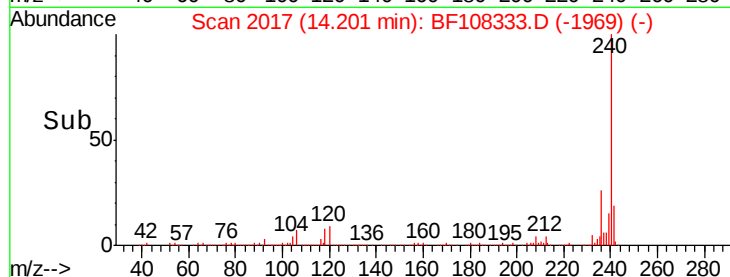
236 26.2 20.7 31.1



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: 114.149 ng

RT: 13.14 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF108333.D

Acq: 21 Aug 2018 12:37

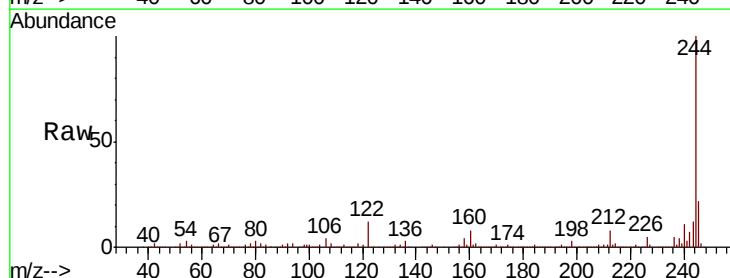
Tgt Ion:244 Resp: 2401537

Ion Ratio Lower Upper

244 100

212 8.0 5.4 8.0

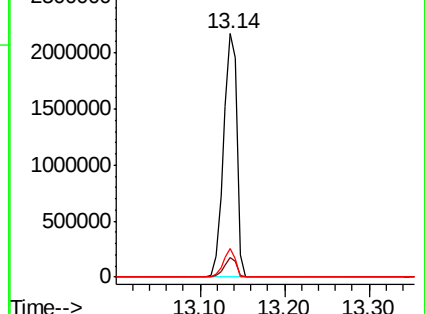
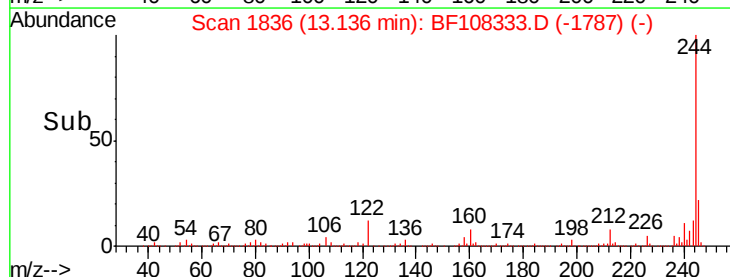
122 11.9 11.0 16.4

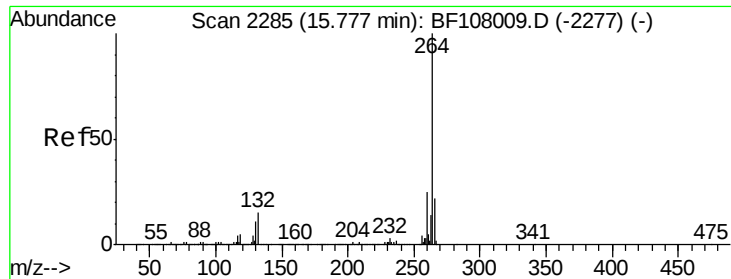


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.75 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF108333.D
Acq: 21 Aug 2018 12:37

Instrument :
BNA_F
ClientSampleId :
72-11969

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.7	17.5	26.3

