

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108548.D
 Acq On : 28 Aug 2018 9:06
 Operator : JU/SJ
 Sample : J4660-04
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 10:45:32 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 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	103166	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	346781	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	141854	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	247345	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	272715	20.00	ng	-0.01
86) Perylene-d12	15.74	264	187124	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	278211	48.82	ng	0.00
7) Phenol-d6	6.61	99	255076	33.69	ng	-0.02
23) Nitrobenzene-d5	7.56	82	687776	110.67	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	139712	98.74	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	1207816	136.70	ng	-0.01
78) Terphenyl-d14	13.12	244	1102900	102.83	ng	0.00

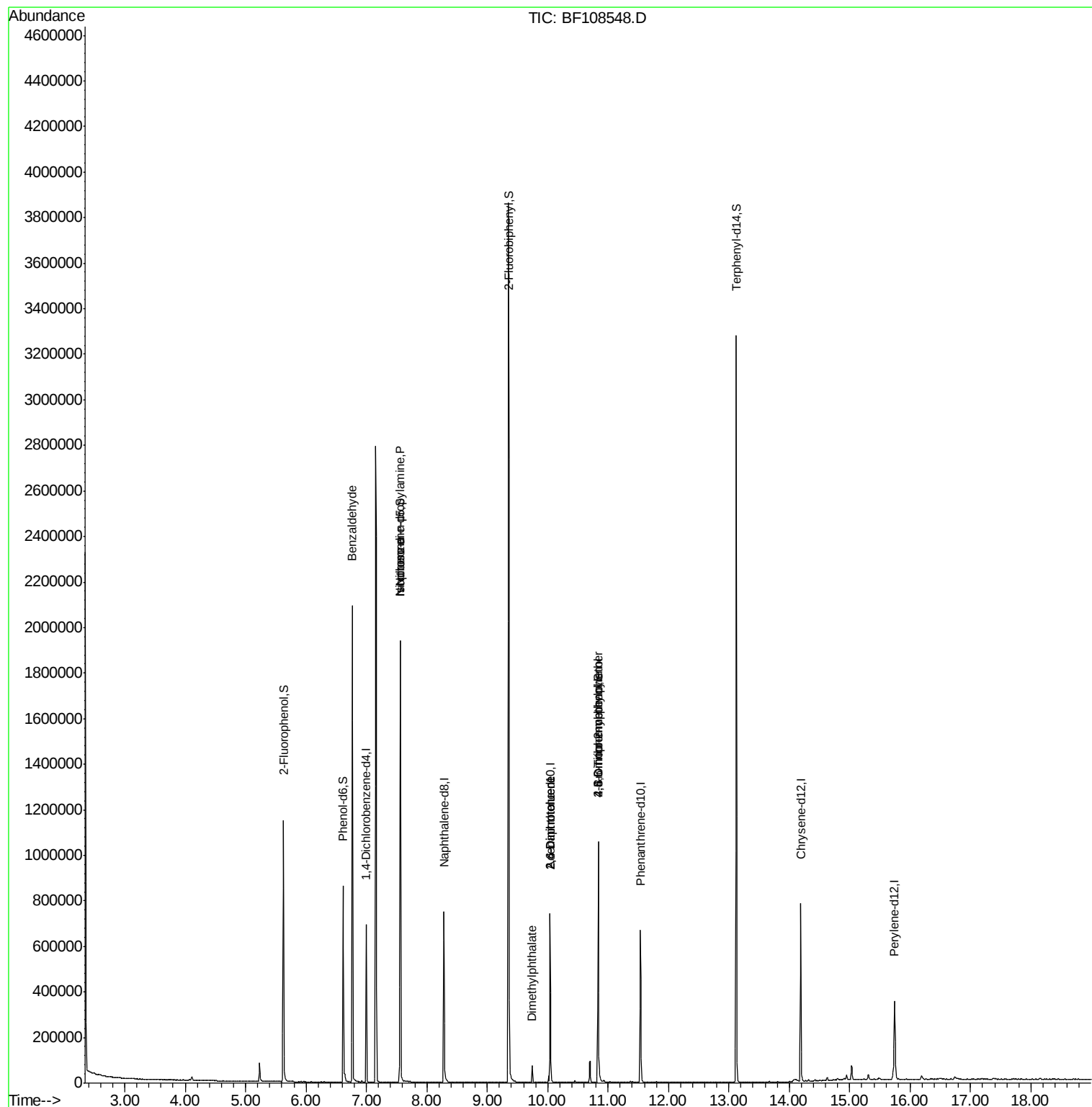
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.77	77	12047	2.052	ng	# 72
19) n-Nitroso-di-n-propylamine	7.56	70	94954	18.543	ng	# 82
25) Isophorone	7.56	82	687765	58.063	ng	# 64
49) Dimethylphthalate	9.74	163	34837	3.526	ng	# 98
50) 2,6-Dinitrotoluene	10.04	165	17764	8.593	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	17764	6.675	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.83	198	227	5.576	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	8773	3.264	ng	# 1

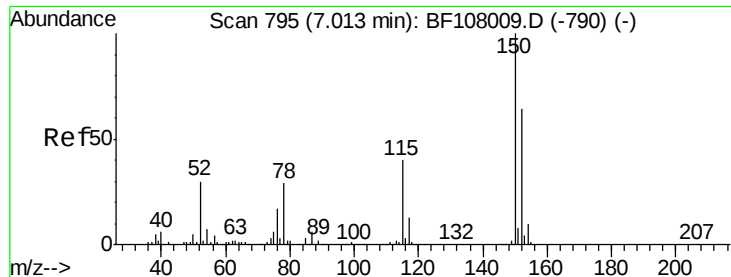
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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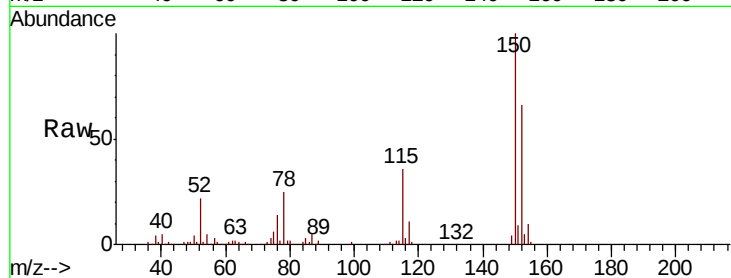


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108548.D
Acq: 28 Aug 2018 9:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	124.6	186.8
115	54.6	50.1	75.1

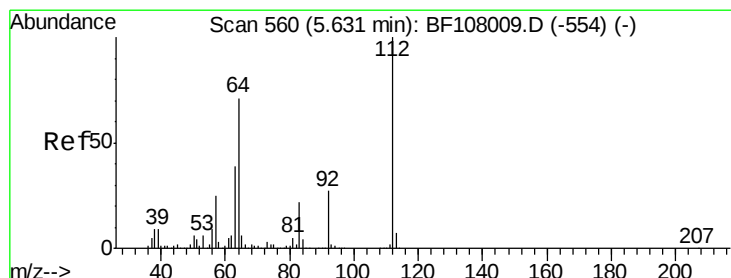
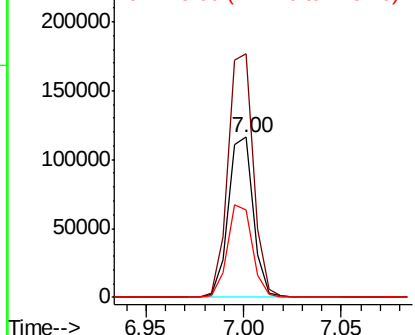
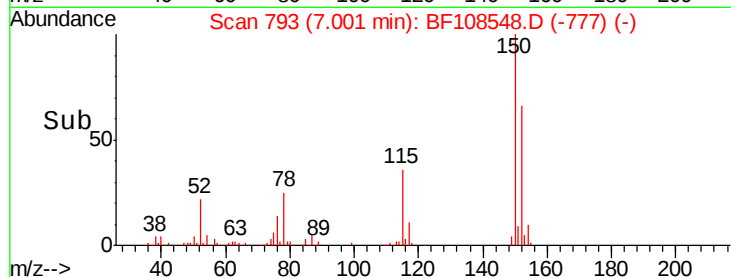


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

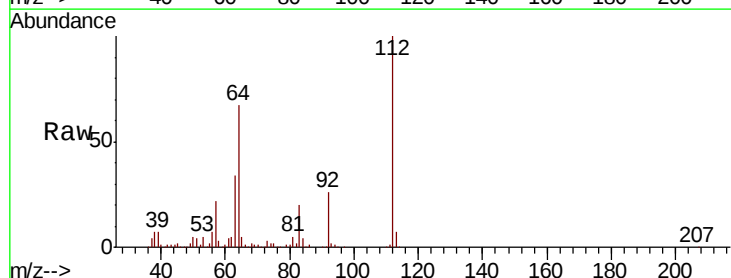
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 48.823 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108548.D
Acq: 28 Aug 2018 9:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	47.9	71.9
63	34.2	23.7	35.5

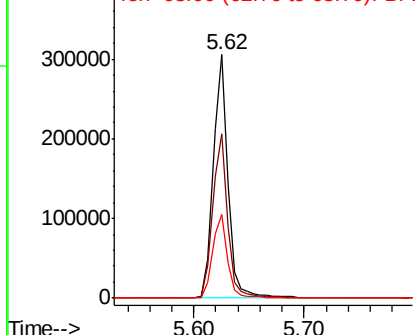
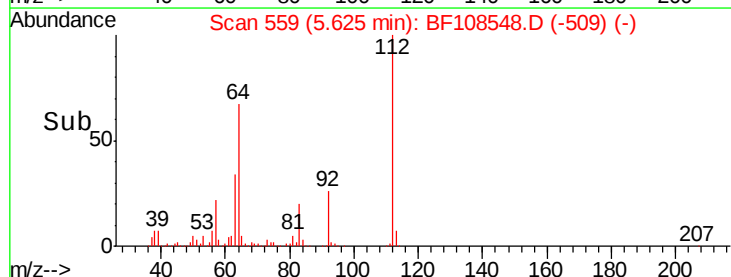


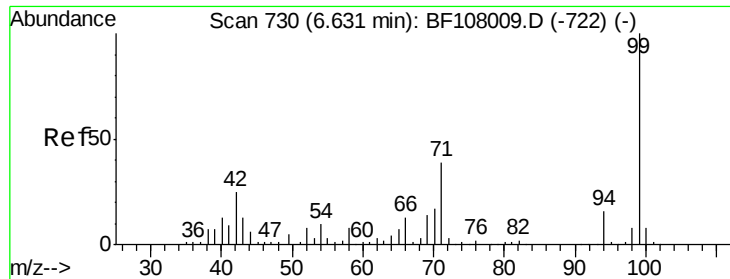
Abundance

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: 33.685 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108548.D

Acq: 28 Aug 2018 9:06

Instrument :

BNA_F

ClientSampleId :

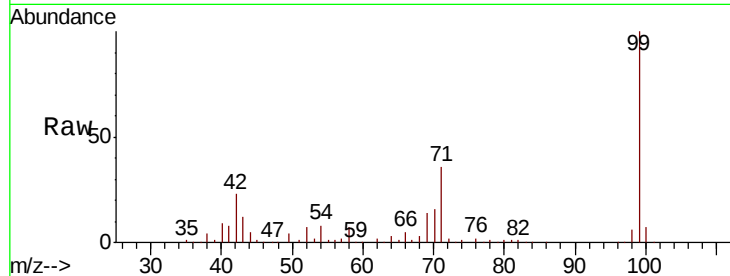
Tot Ion: 99 Resp: 255076

Ion Ratio Lower Upper

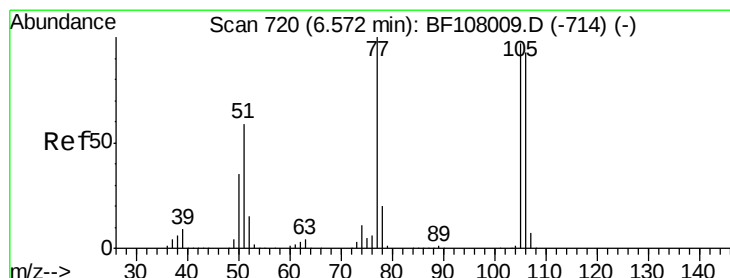
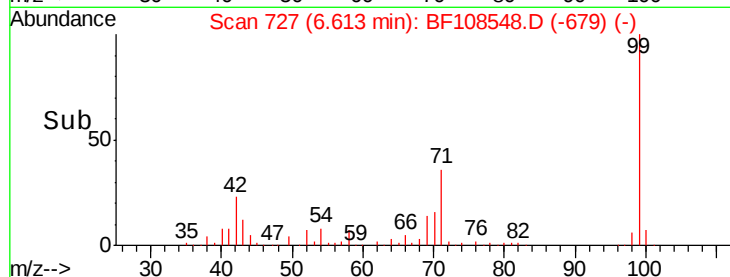
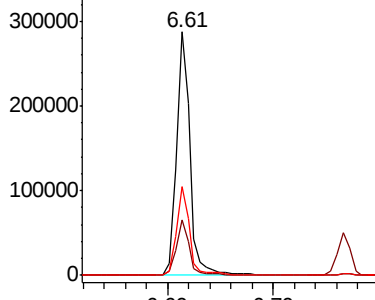
99 100

42 23.0 14.5 21.7#

71 36.2 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



#9

Benzaldehyde

Concen: 2.052 ng

RT: 6.77 min Scan# 753

Delta R.T. 0.21 min

Lab File: BF108548.D

Acq: 28 Aug 2018 9:06

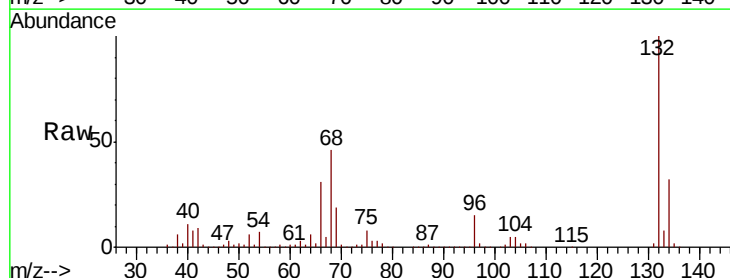
Tgt Ion: 77 Resp: 12047

Ion Ratio Lower Upper

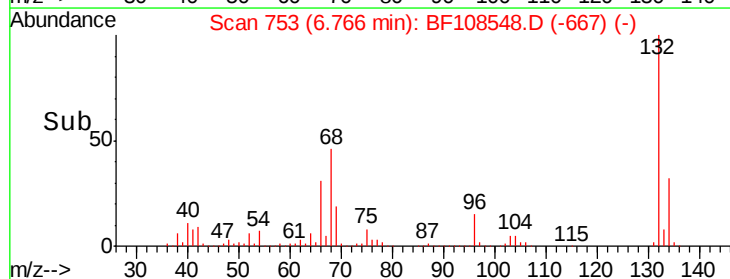
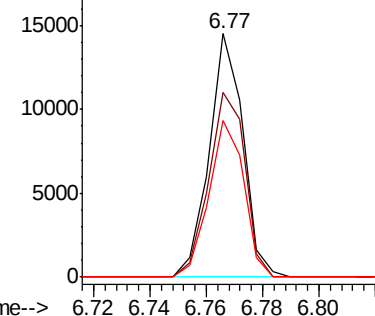
77 100

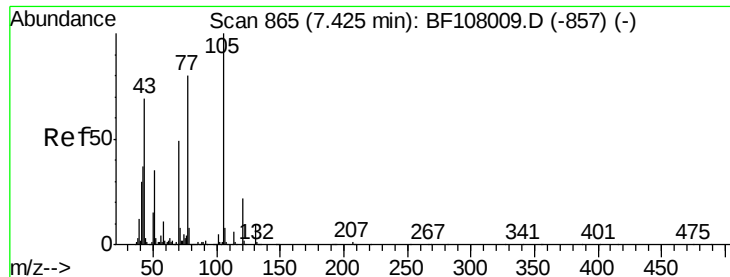
105 76.0 81.1 121.1#

106 64.1 74.5 114.5#



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

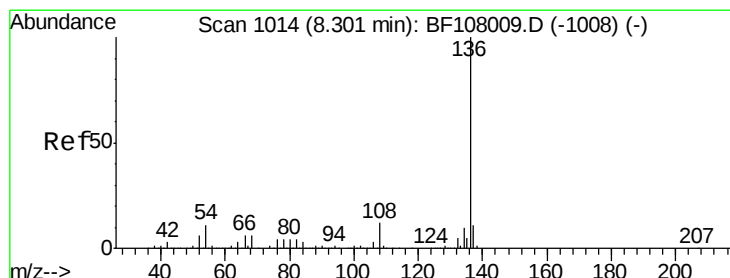
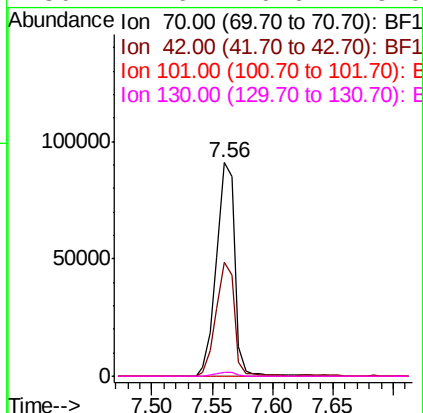
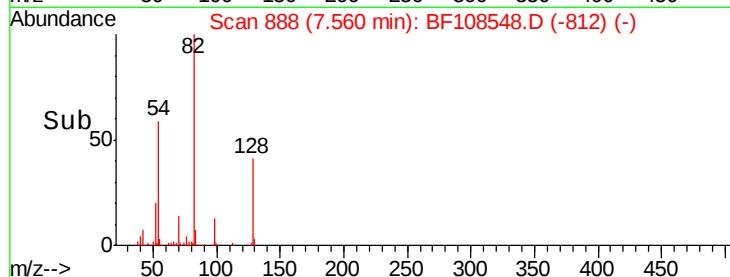
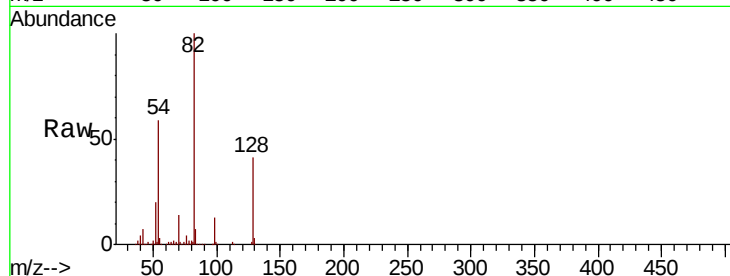




#19
n-Nitroso-di-n-propylamine
Concen: 18.543 ng
RT: 7.56 min Scan# 888
Delta R.T. 0.15 min
Lab File: BF108548.D
Acq: 28 Aug 2018 9:06

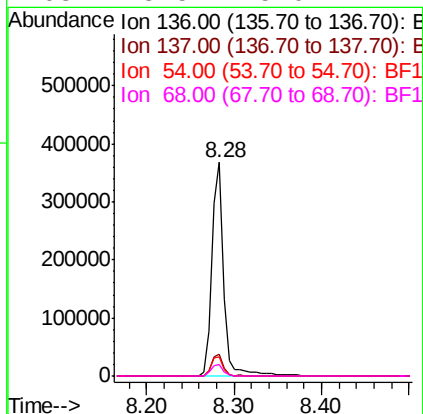
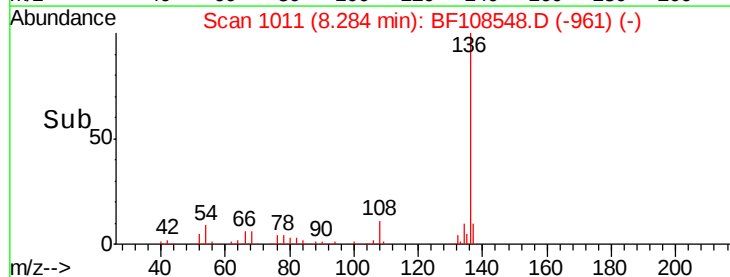
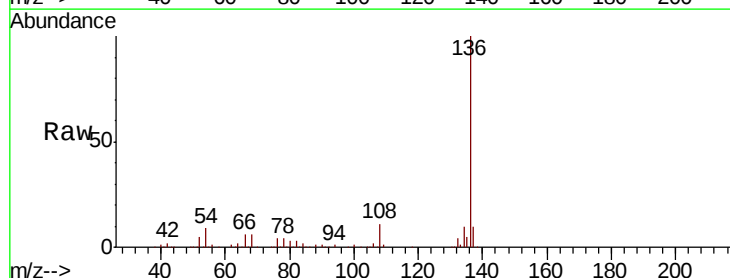
Instrument :
BNA_F
ClientSampled :

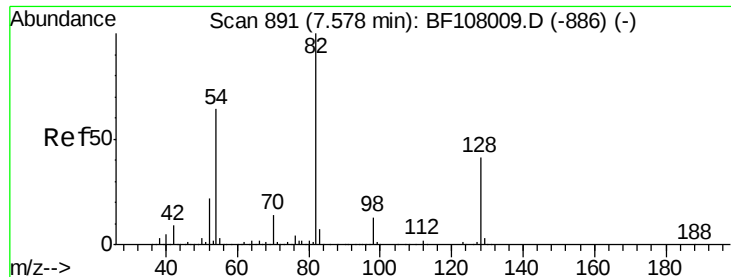
Tot Ion: 70 Resp: 94954
Ion Ratio Lower Upper
70 100
42 53.1 47.5 71.3
101 0.0 7.4 11.2#
130 1.6 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108548.D
Acq: 28 Aug 2018 9:06

Tgt Ion:136 Resp: 346781
Ion Ratio Lower Upper
136 100
137 10.3 8.9 13.3
54 9.2 6.6 9.8
68 5.5 5.0 7.4

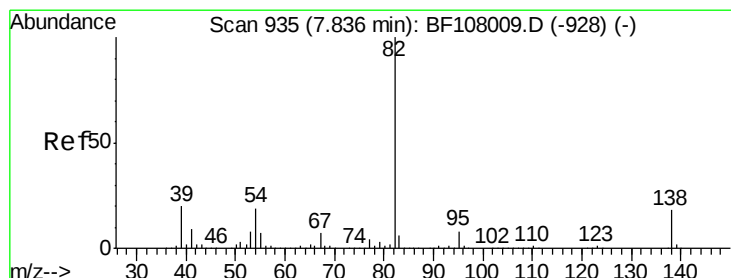
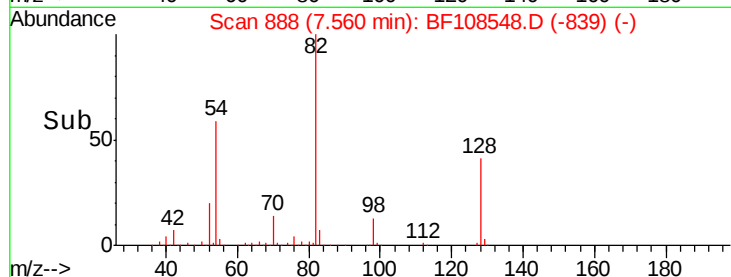
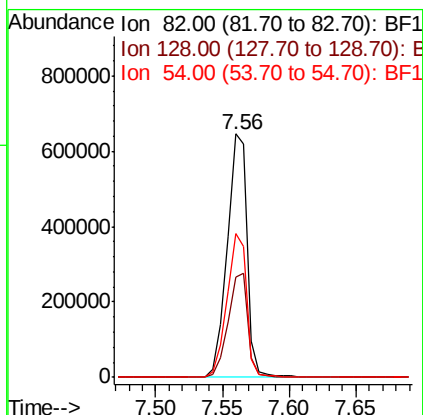
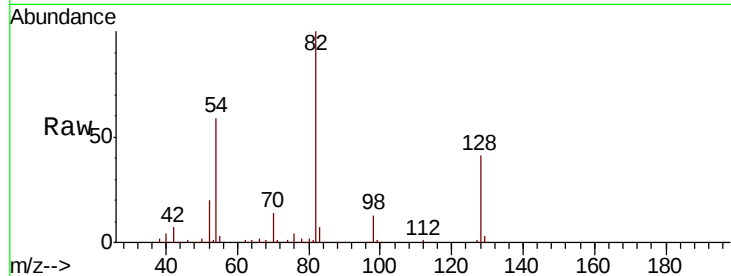




#23
 Nitrobenzene-d5
 Concen: 110.672 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF108548.D
 Acq: 28 Aug 2018 9:06

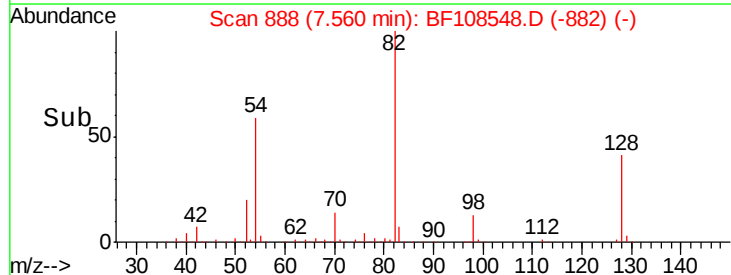
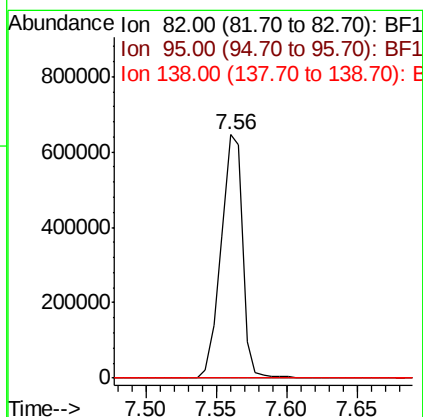
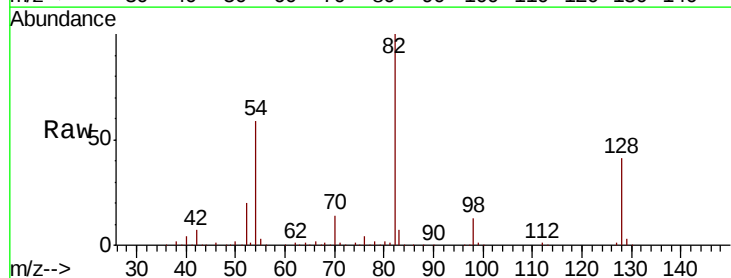
Instrument :
 BNA_F
 ClientSampleId :

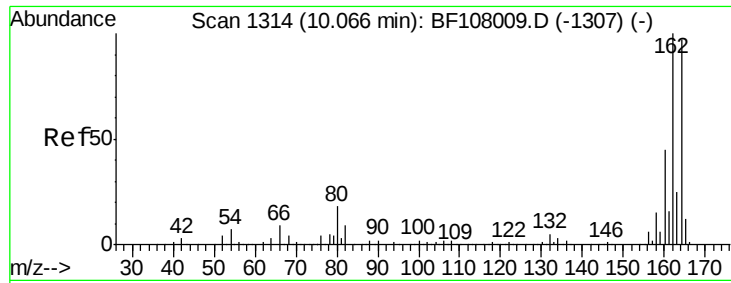
Tot Ion	82	Resp	687776
Ion Ratio	Lower	Upper	
82	100		
128	41.0	36.1	54.1
54	58.8	41.4	62.2



#25
 Isophorone
 Concen: 58.063 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.26 min
 Lab File: BF108548.D
 Acq: 28 Aug 2018 9:06

Tgt Ion	82	Resp	687765
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108548.D

Acq: 28 Aug 2018 9:06

Instrument :

BNA_F

ClientSampleId :

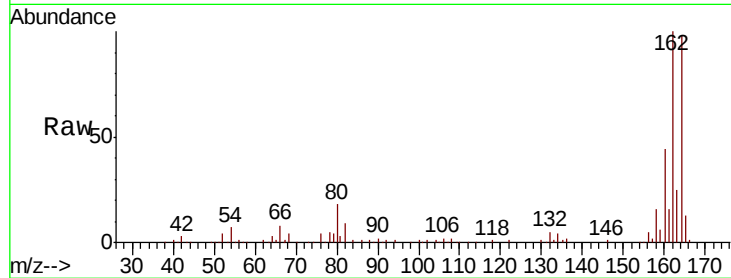
Tot Ion:164 Resp: 141854

Ion Ratio Lower Upper

164 100

162 102.4 86.1 129.1

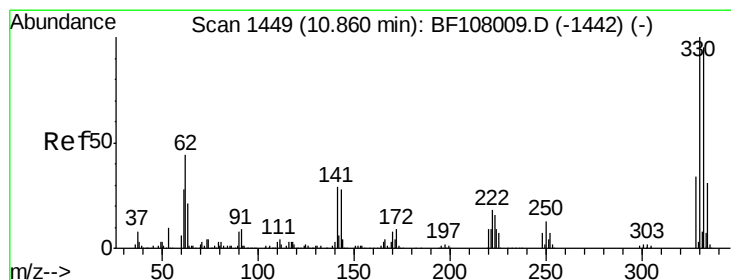
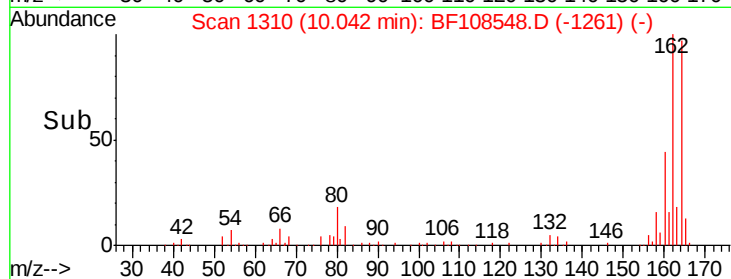
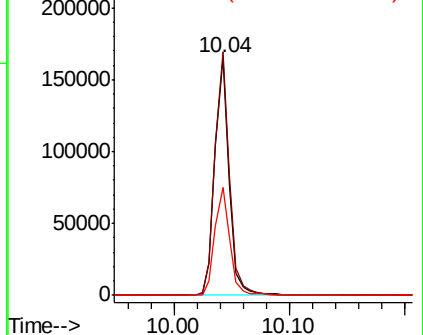
160 45.6 38.3 57.5



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: 98.739 ng

RT: 10.84 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF108548.D

Acq: 28 Aug 2018 9:06

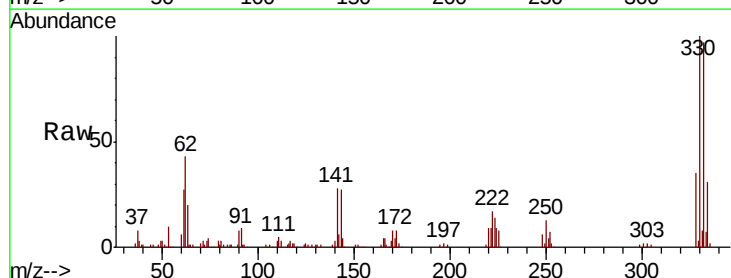
Tgt Ion:330 Resp: 139712

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

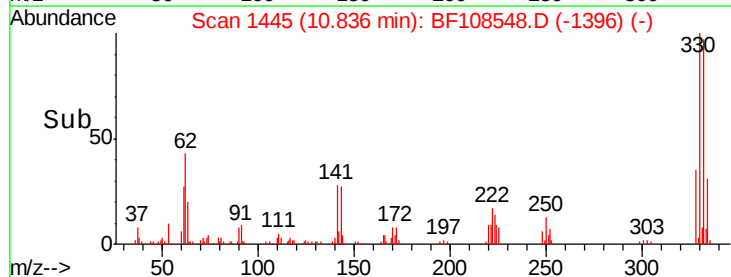
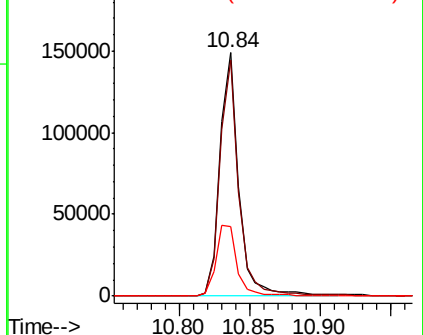
141 32.8 29.9 44.9

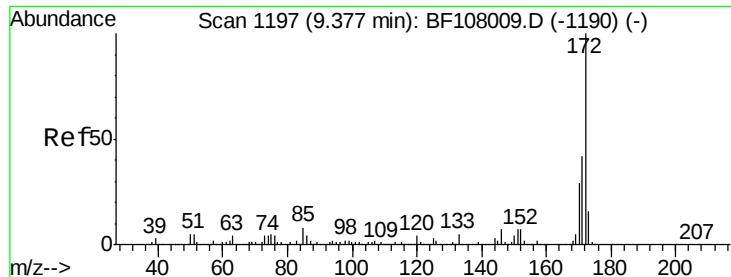


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



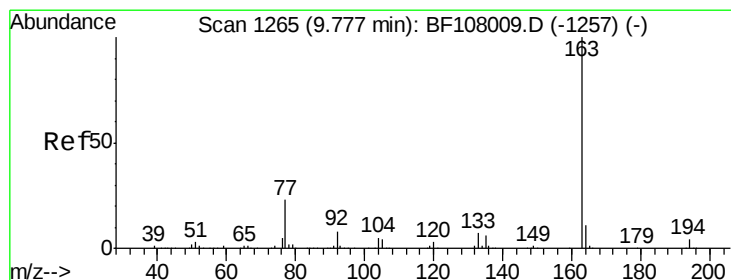
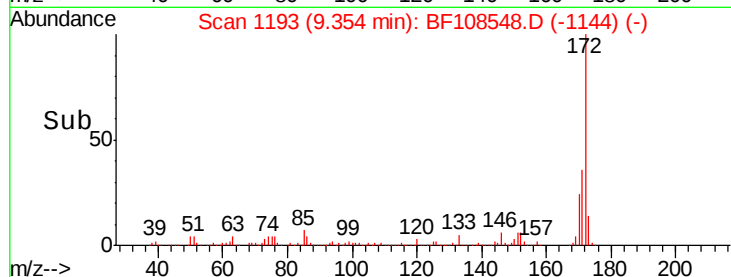
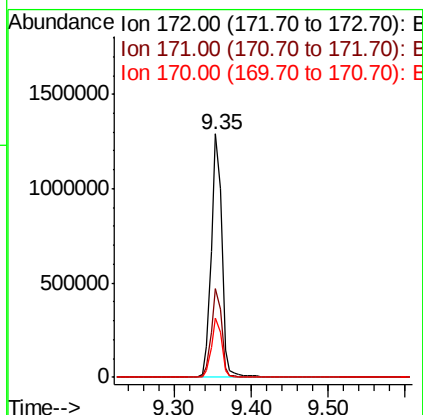
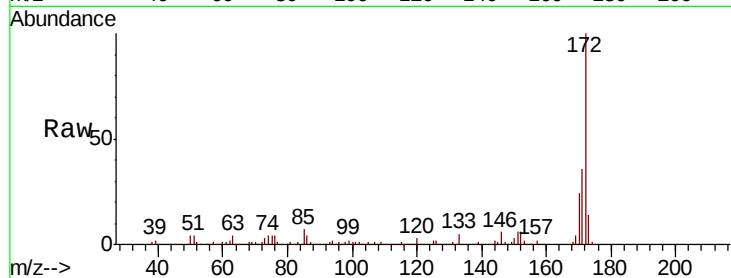


#44
 2-Fluorobiphenyl
 Concen: 136.698 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108548.D
 Acq: 28 Aug 2018 9:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1207816

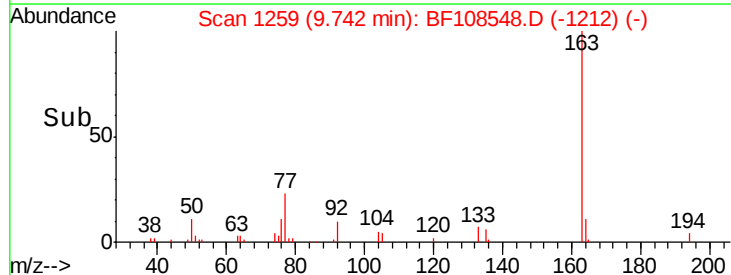
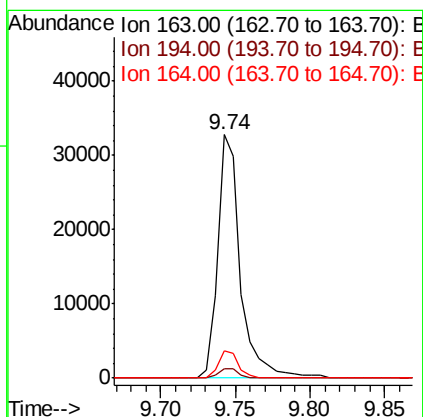
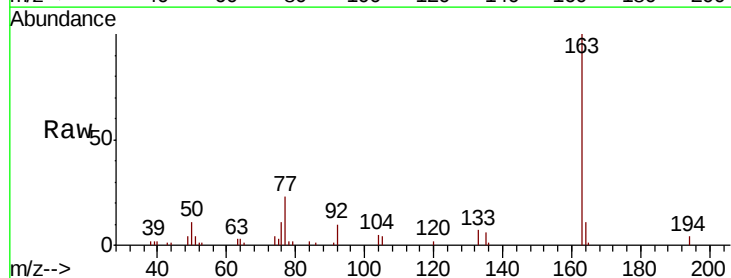
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.3	19.6	29.4

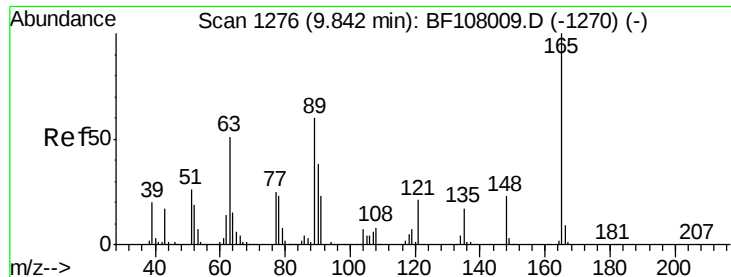


#49
 Dimethylphthalate
 Concen: 3.526 ng
 RT: 9.74 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: BF108548.D
 Acq: 28 Aug 2018 9:06

Tgt Ion:163 Resp: 34837

Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	11.1	8.2	12.2

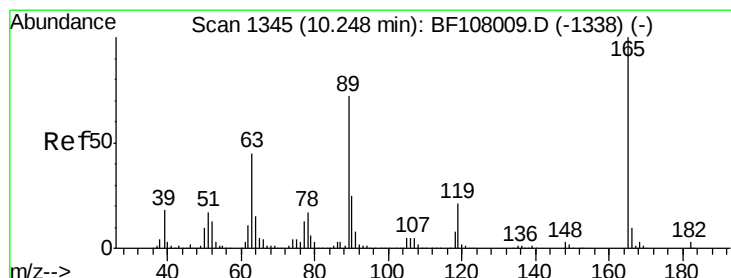
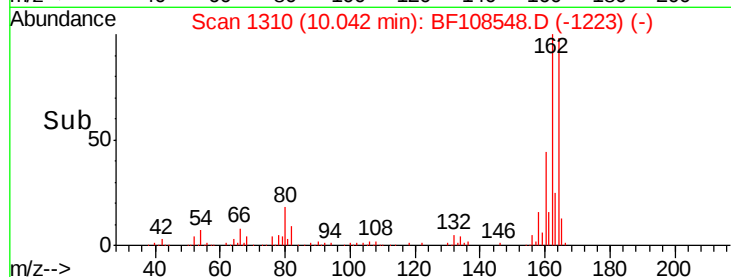
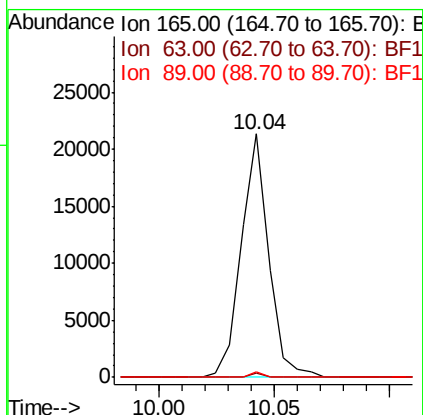
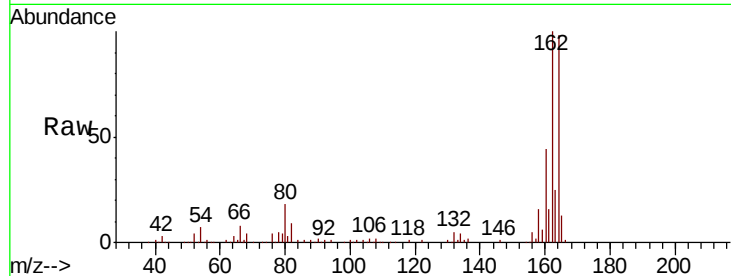




#50
 2,6-Dinitrotoluene
 Concen: 8.593 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108548.D
 Acq: 28 Aug 2018 9:06

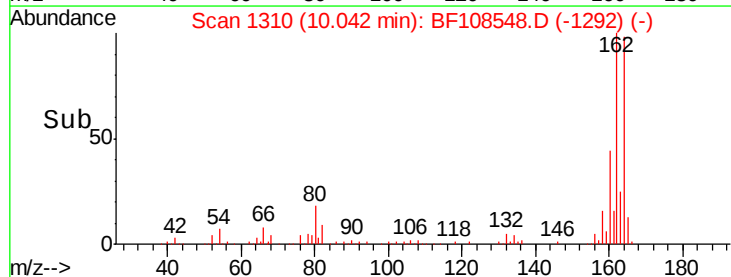
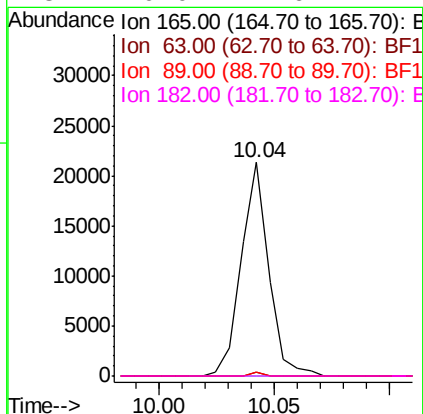
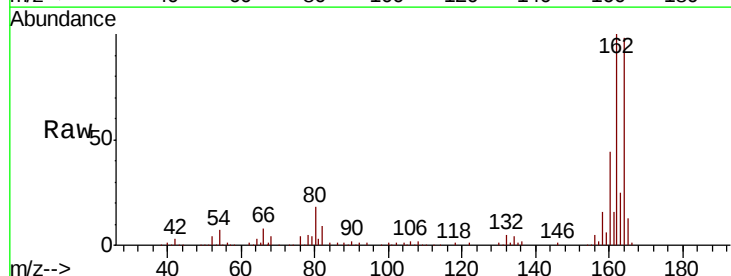
Instrument :
 BNA_F
 ClientSampled :

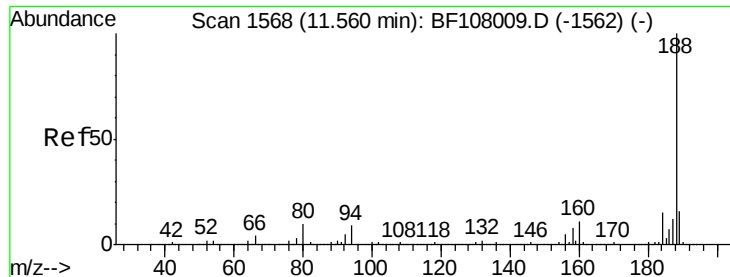
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	2.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.675 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108548.D
 Acq: 28 Aug 2018 9:06

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: 11.54 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF108548.D

Acq: 28 Aug 2018 9:06

Instrument :

BNA_F

ClientSampleId :

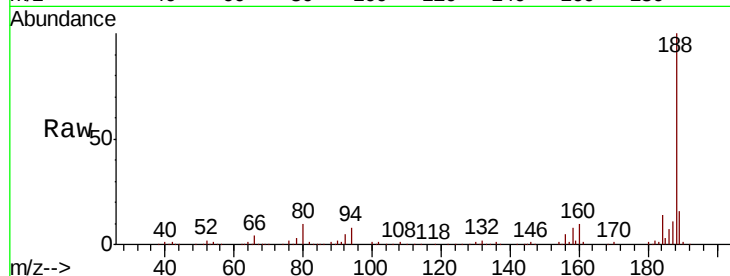
Tot Ion:188 Resp: 247345

Ion Ratio Lower Upper

188 100

94 8.5 8.5 12.7#

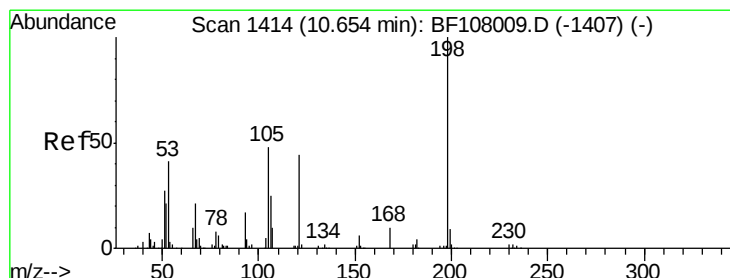
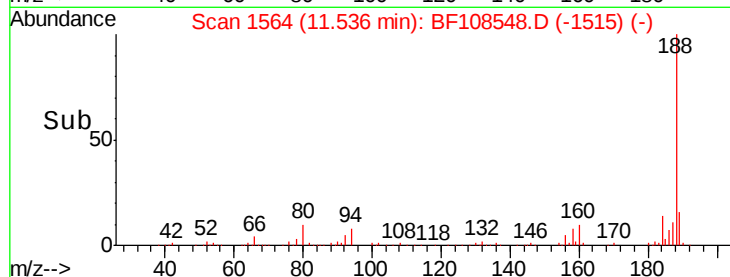
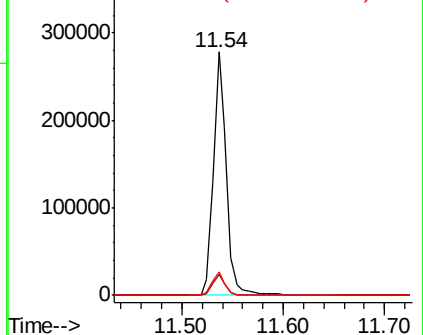
80 9.7 9.2 13.8



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: 5.576 ng

RT: 10.83 min Scan# 1444

Delta R.T. 0.18 min

Lab File: BF108548.D

Acq: 28 Aug 2018 9:06

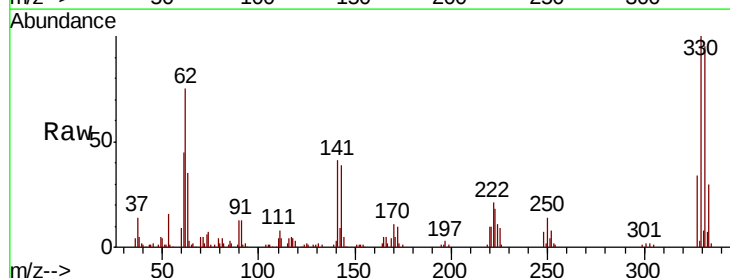
Tgt Ion:198 Resp: 227

Ion Ratio Lower Upper

198 100

51 318.0 37.7 77.7#

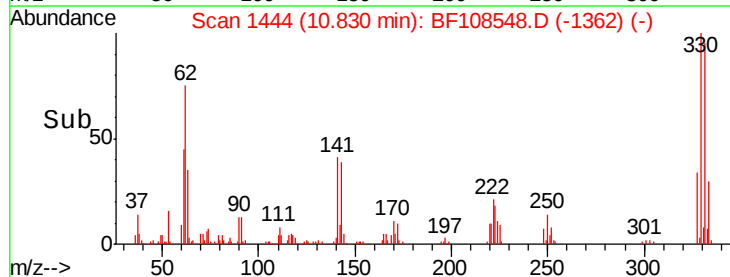
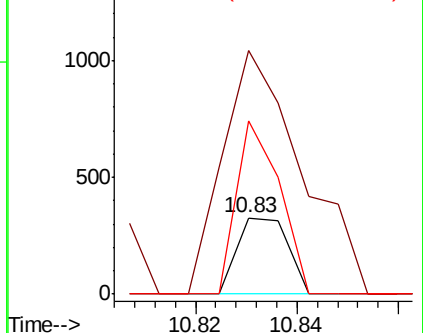
105 226.8 36.3 76.3#

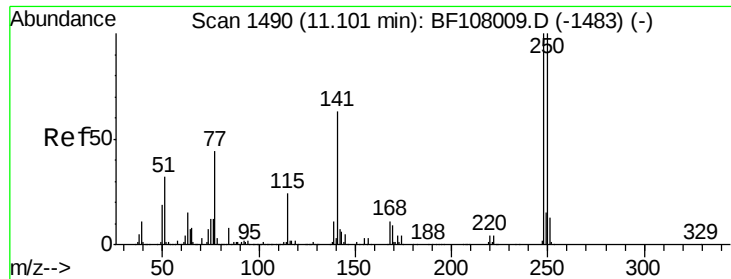


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

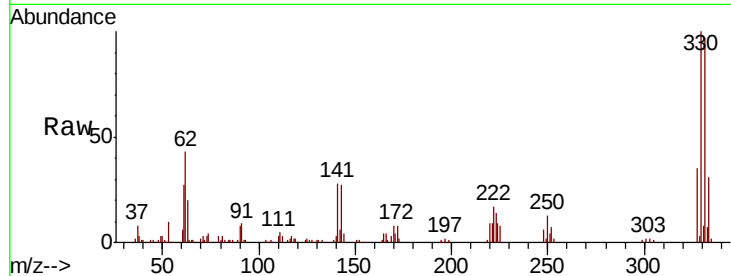




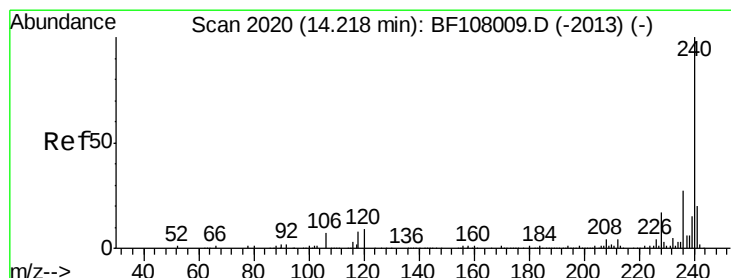
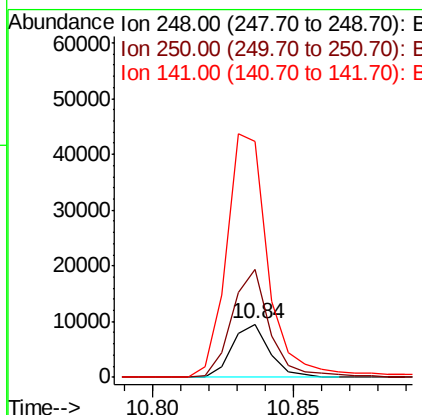
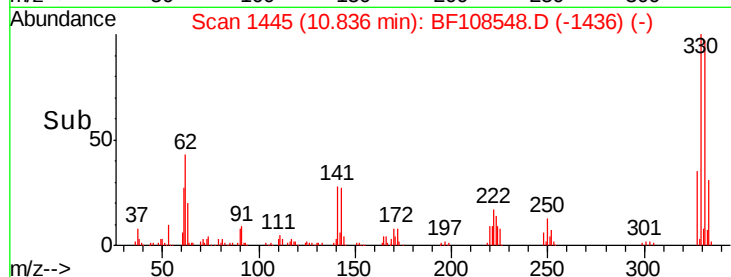
#66
 4-Bromophenyl-phenylether
 Concen: 3.264 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108548.D
 Acq: 28 Aug 2018 9:06

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 8773
 Ion Ratio Lower Upper
 248 100
 250 204.0 76.9 115.3#
 141 445.3 74.4 111.6#

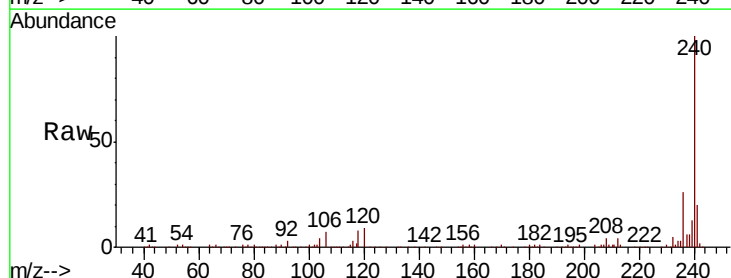


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

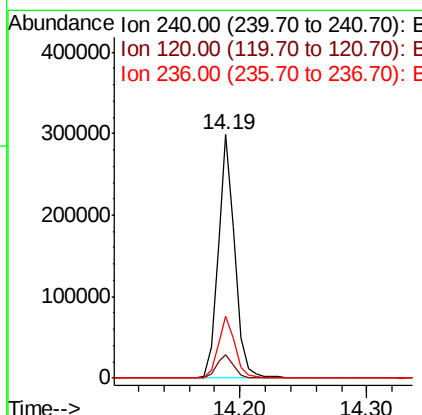
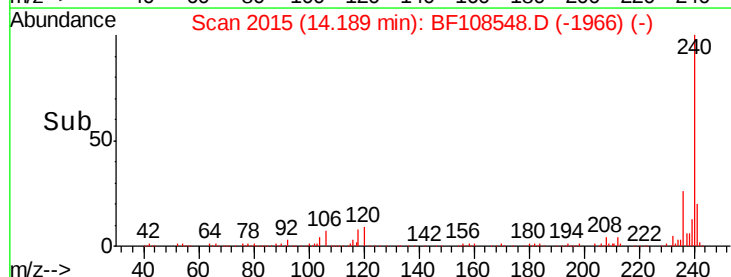


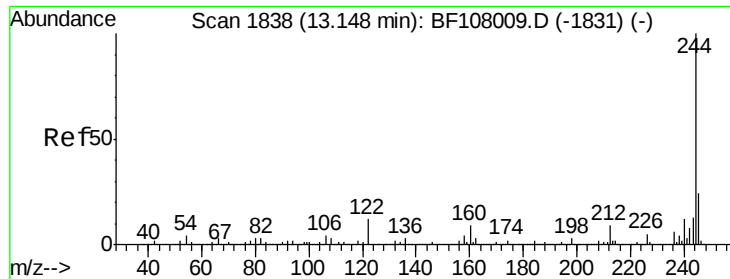
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.19 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF108548.D
 Acq: 28 Aug 2018 9:06

Tgt Ion:240 Resp: 272715
 Ion Ratio Lower Upper
 240 100
 120 9.4 9.5 14.3#
 236 25.5 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

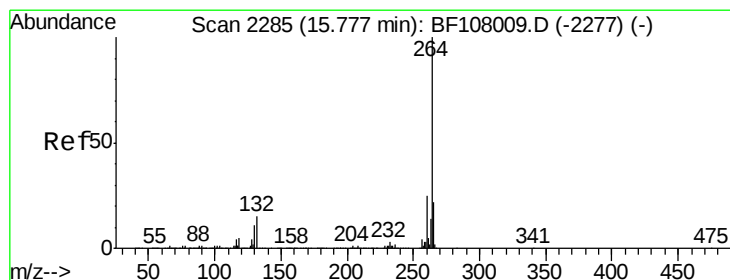
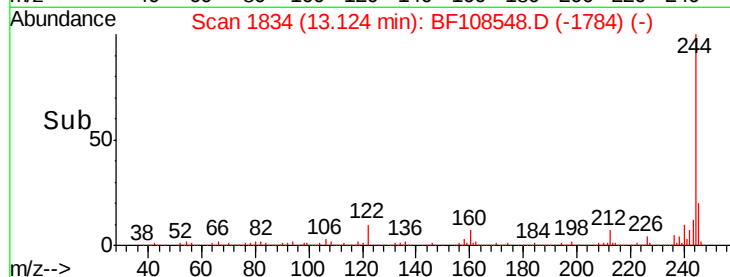
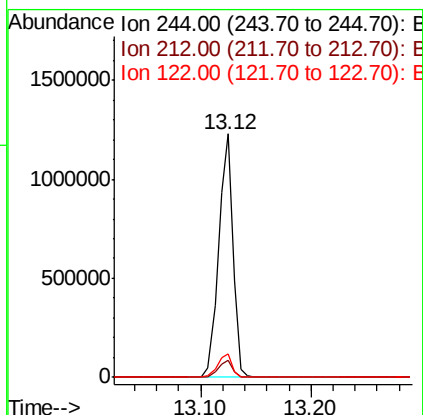
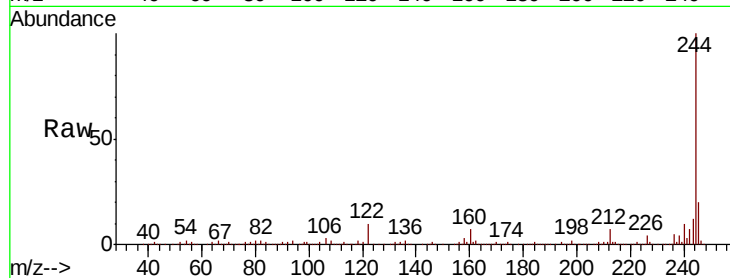




#78
 Terphenyl-d14
 Concen: 102.825 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF108548.D
 Acq: 28 Aug 2018 9:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1102900
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 9.6 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.74 min Scan# 2279
 Delta R.T. -0.02 min
 Lab File: BF108548.D
 Acq: 28 Aug 2018 9:06

Tgt Ion:264 Resp: 187124
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 20.9 17.5 26.3

