

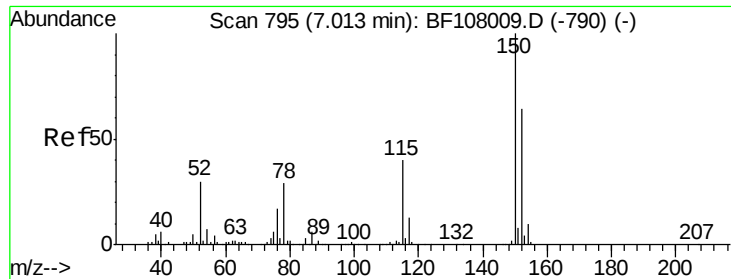
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108546.D
 Acq On : 28 Aug 2018 8:12
 Operator : JU/SJ
 Sample : J4660-02
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 10:45:08 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	104230	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	356200	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	148636	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	251400	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	269479	20.00	ng	-0.01
86) Perylene-d12	15.75	264	184455	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	279292	48.51	ng	0.00
7) Phenol-d6	6.61	99	227554	29.74	ng	-0.02
23) Nitrobenzene-d5	7.57	82	713558	111.78	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	146160	98.58	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	1283651	138.65	ng	-0.01
78) Terphenyl-d14	13.12	244	1112252	104.94	ng	0.00
Target Compounds						
9) Benzaldehyde	6.77	77	12477	2.104	ng	# 70
19) n-Nitroso-di-n-propylamine	7.57	70	95377	18.436	ng	# 82
25) Isophorone	7.57	82	713547	58.646	ng	# 64
49) Dimethylphthalate	9.75	163	29832	2.881	ng	# 98
50) 2,6-Dinitrotoluene	10.04	165	18754	8.658	ng	# 24
56) 2,4-Dinitrotoluene	10.04	165	18754	6.726	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.84	198	137	5.488	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	9835	3.600	ng	# 1

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

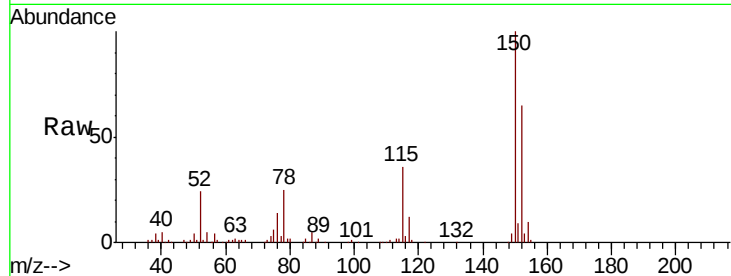


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108546.D
Acq: 28 Aug 2018 8:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	56.3	50.1	75.1

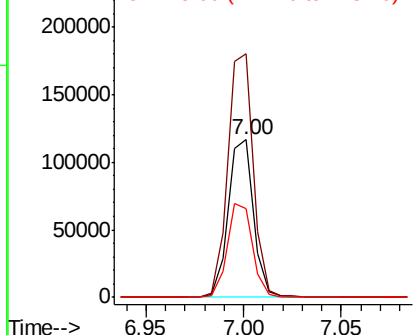
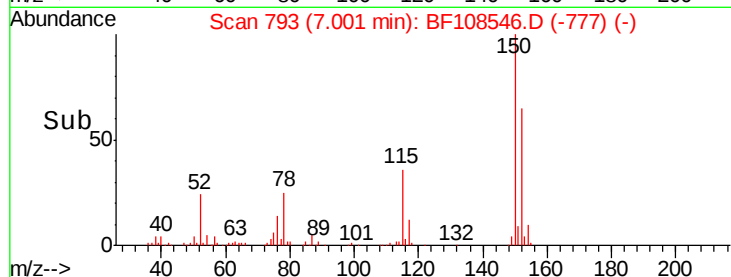


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

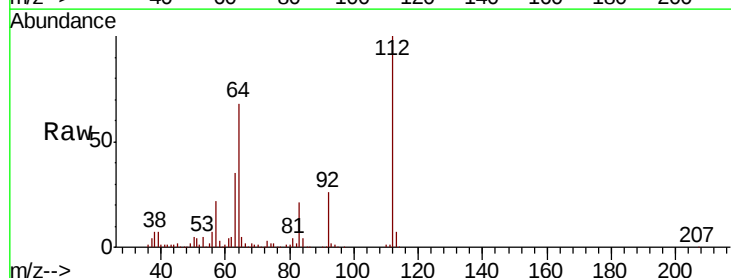
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 48.512 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108546.D
Acq: 28 Aug 2018 8:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	47.9	71.9
63	35.3	23.7	35.5

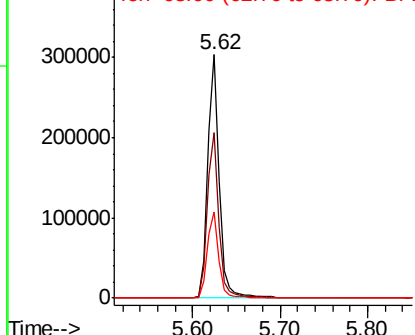
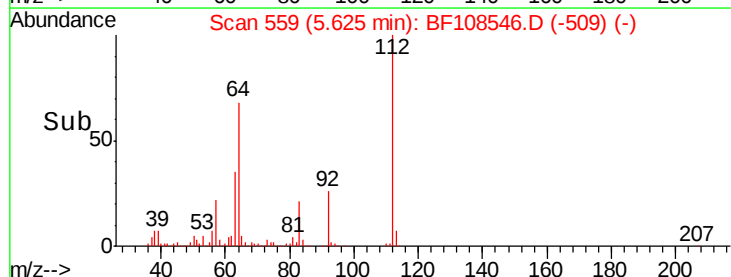


Abundance

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: 29.744 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108546.D

Acq: 28 Aug 2018 8:12

Instrument :

BNA_F

ClientSampleId :

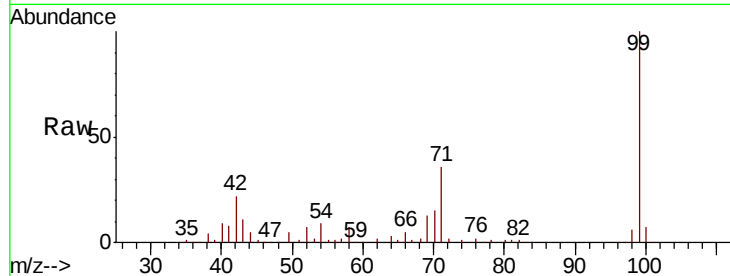
Tot Ion: 99 Resp: 227554

Ion Ratio Lower Upper

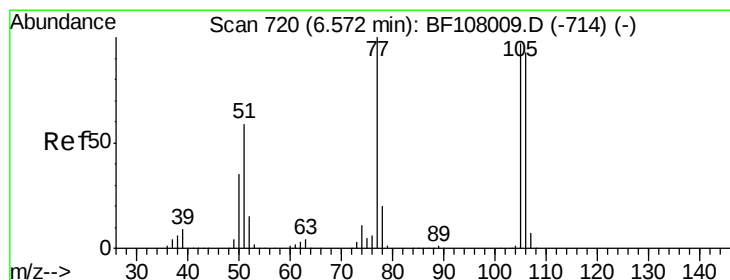
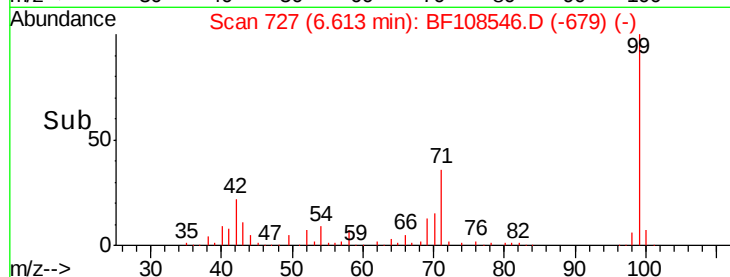
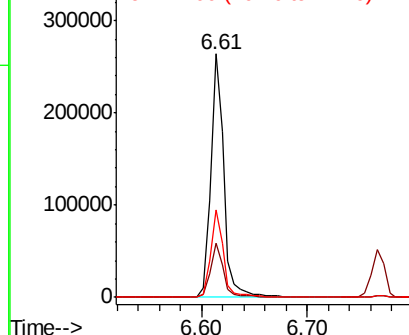
99 100

42 22.4 14.5 21.7#

71 35.9 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: 2.104 ng

RT: 6.77 min Scan# 753

Delta R.T. 0.21 min

Lab File: BF108546.D

Acq: 28 Aug 2018 8:12

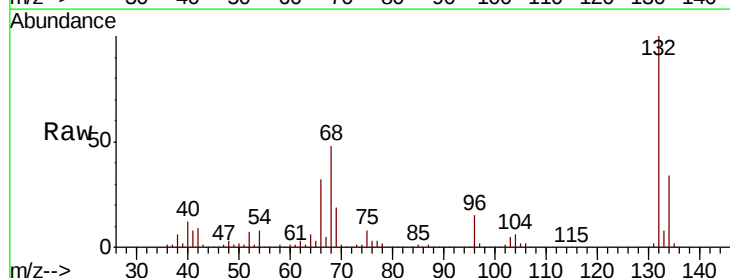
Tgt Ion: 77 Resp: 12477

Ion Ratio Lower Upper

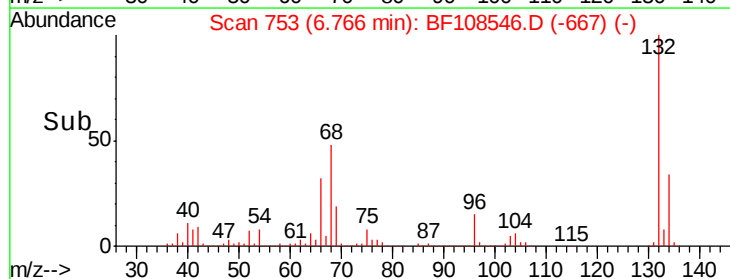
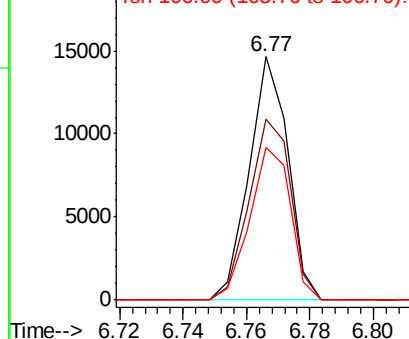
77 100

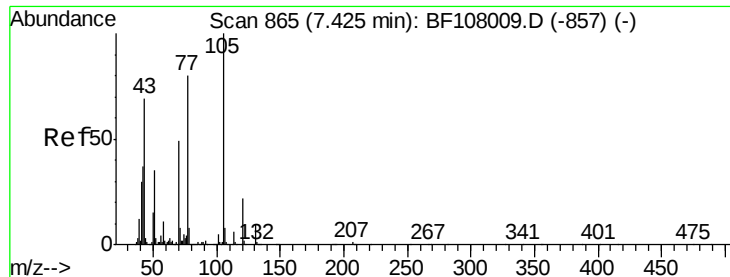
105 74.0 81.1 121.1#

106 62.8 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

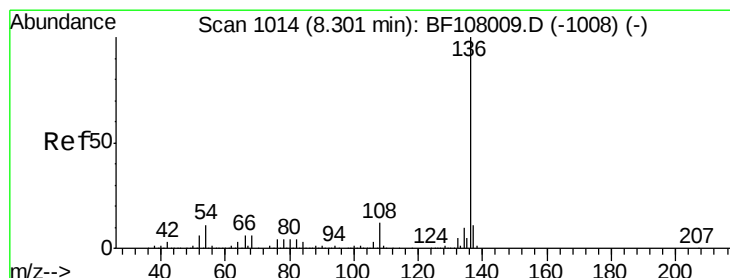
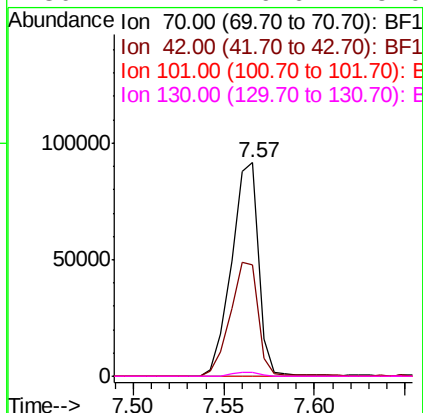
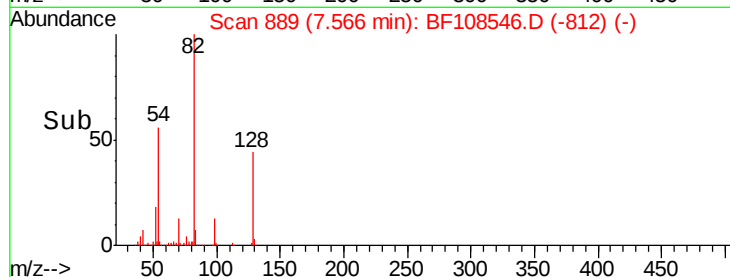
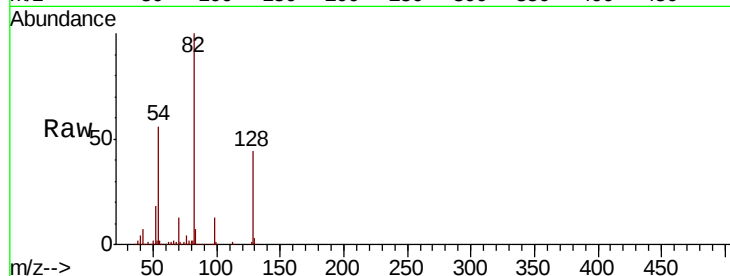




#19
n-Nitroso-di-n-propylamine
Concen: 18.436 ng
RT: 7.57 min Scan# 889
Delta R.T. 0.15 min
Lab File: BF108546.D
Acq: 28 Aug 2018 8:12

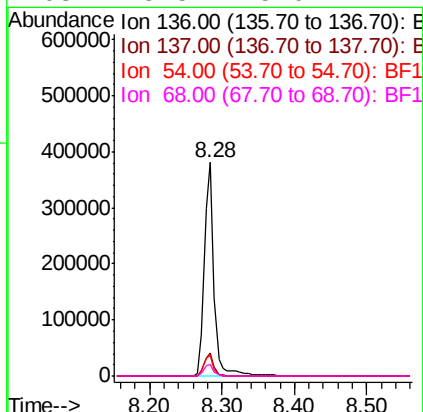
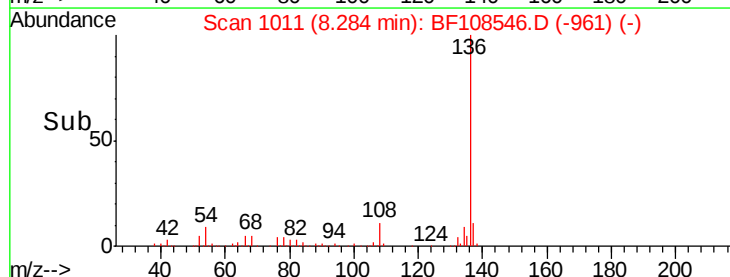
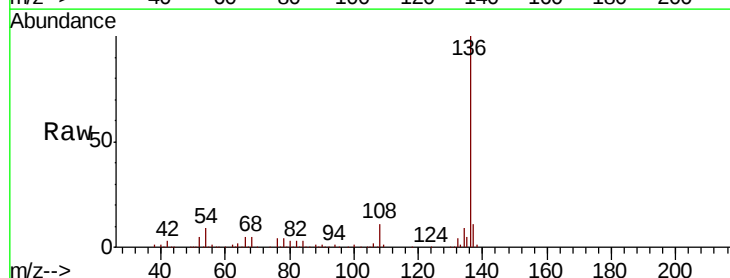
Instrument :
BNA_F
ClientSampled :

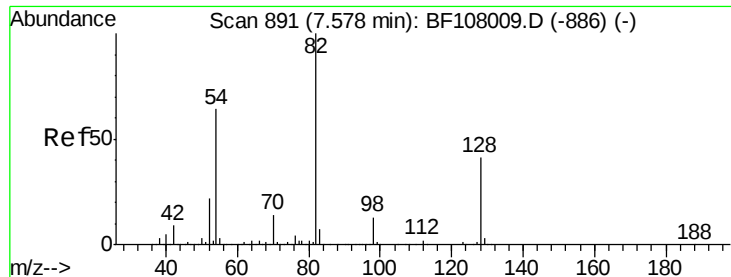
Tot Ion	Ratio	Lower	Upper
70	100		
42	52.4	47.5	71.3
101	0.0	7.4	11.2
130	2.1	16.6	25.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108546.D
Acq: 28 Aug 2018 8:12

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	9.4	6.6	9.8
68	5.5	5.0	7.4

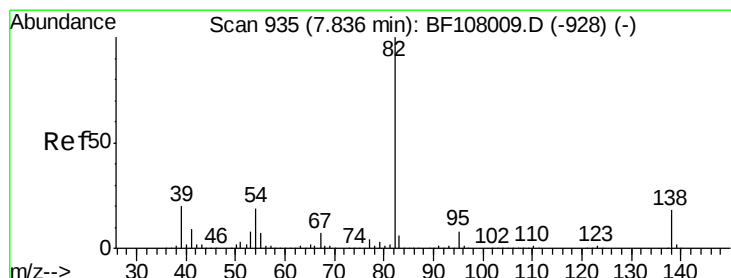
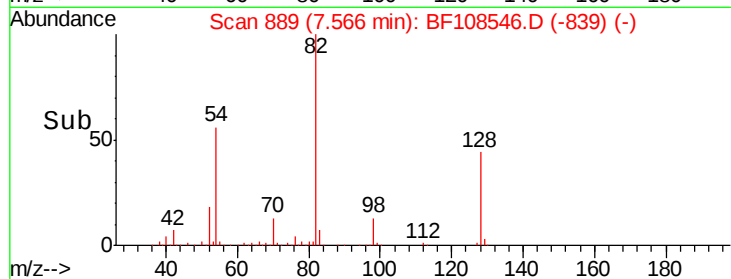
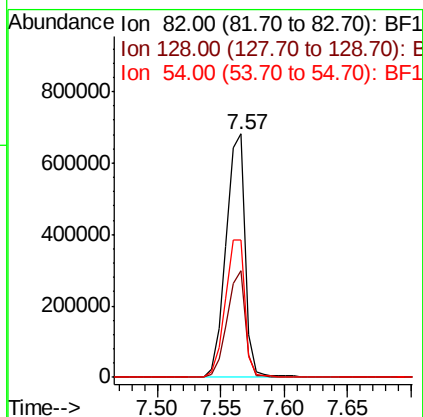
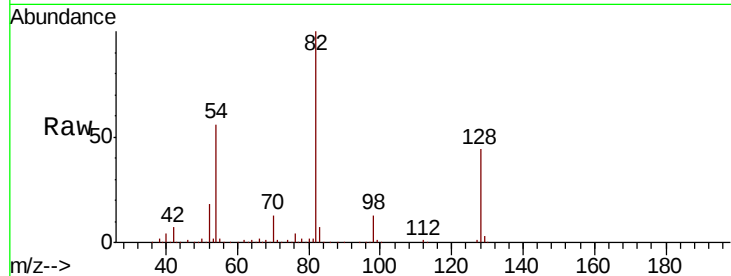




#23
Nitrobenzene-d5
Concen: 111.784 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108546.D
Acq: 28 Aug 2018 8:12

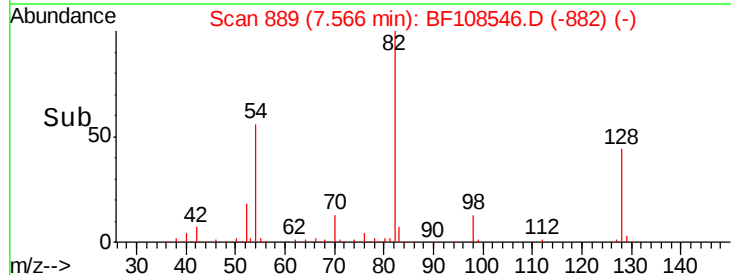
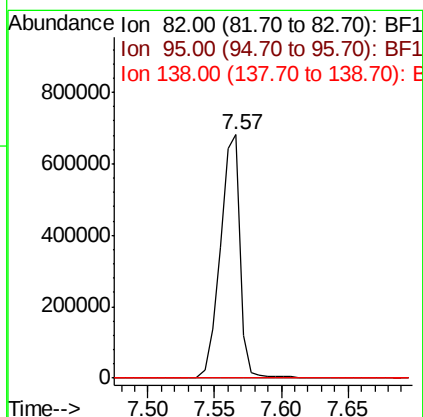
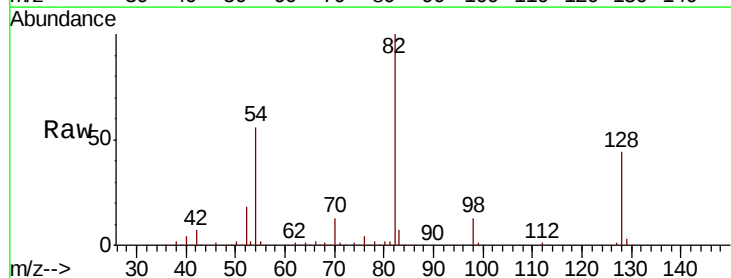
Instrument :
BNA_F
ClientSampleID :

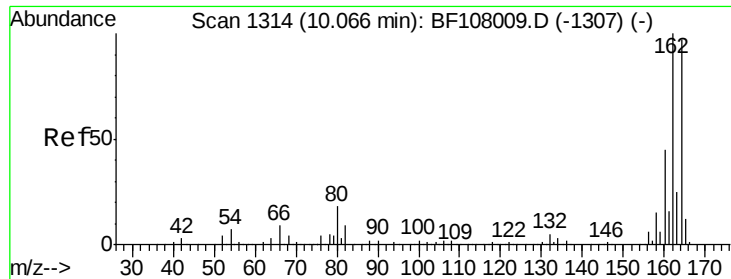
Tot Ion	82	Resp	713558
Ion Ratio	100	Lower	Upper
128	43.8	36.1	54.1
54	56.2	41.4	62.2



#25
Isophorone
Concen: 58.646 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.26 min
Lab File: BF108546.D
Acq: 28 Aug 2018 8:12

Tgt Ion	82	Resp	713547
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

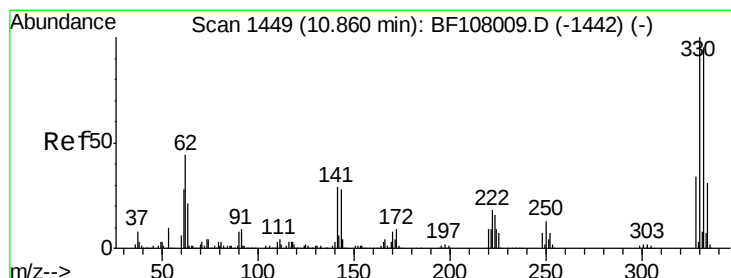
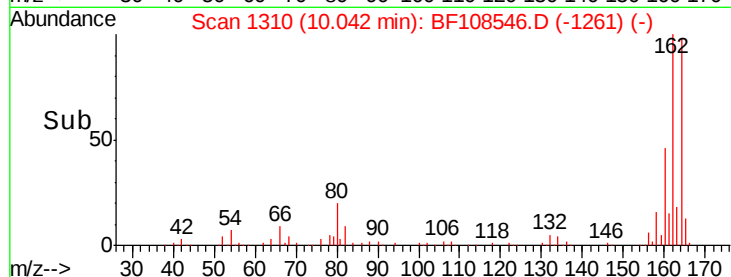
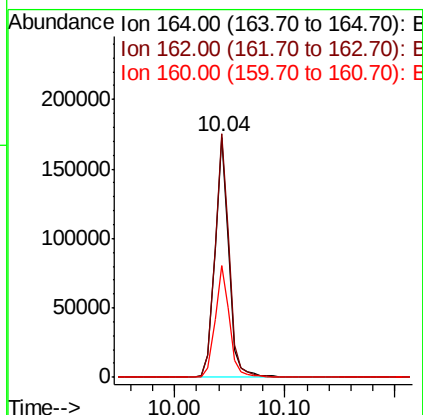
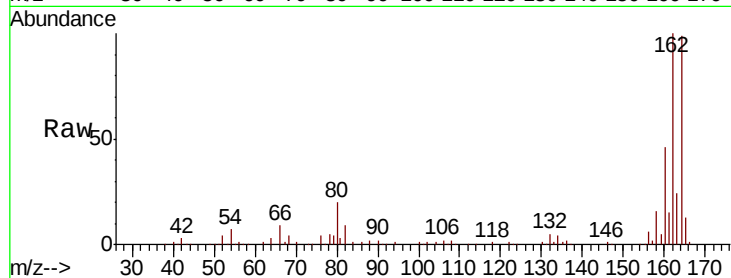




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108546.D
 Acq: 28 Aug 2018 8:12

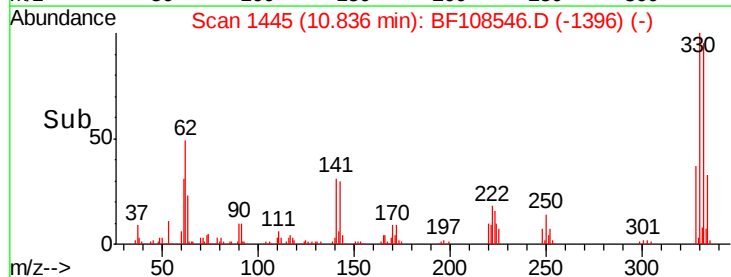
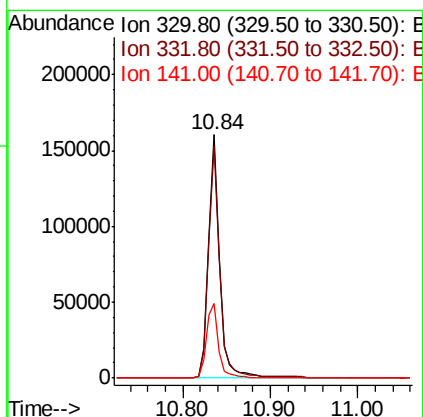
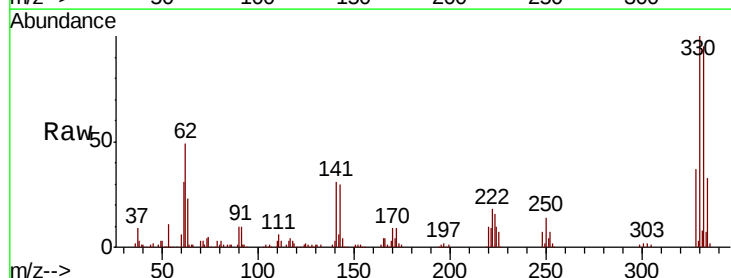
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.3	86.1	129.1
160	46.3	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 98.583 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108546.D
 Acq: 28 Aug 2018 8:12

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	32.6	29.9	44.9

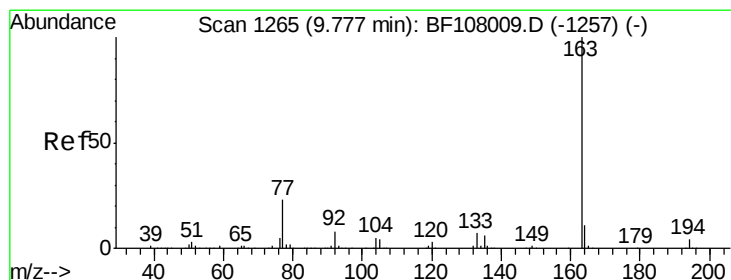
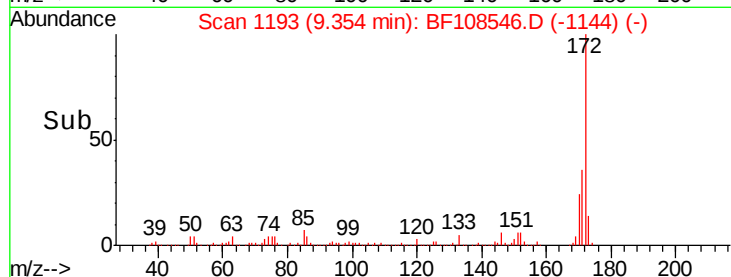
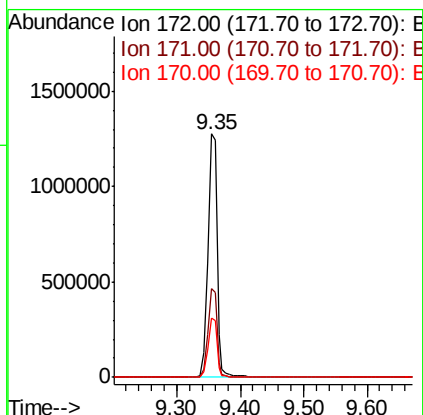
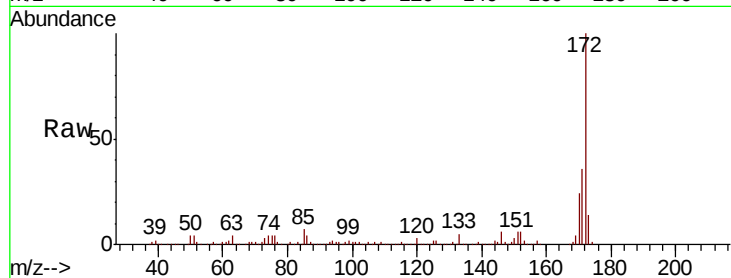




#44
2-Fluorobiphenyl
Concen: 138.652 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108546.D
Acq: 28 Aug 2018 8:12

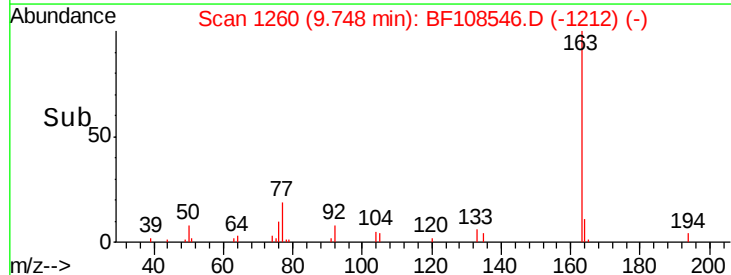
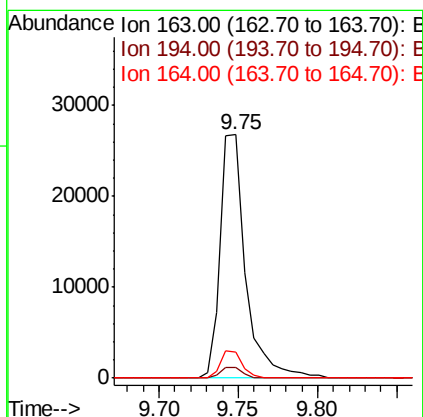
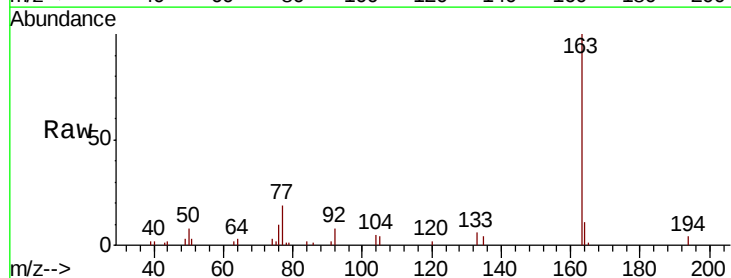
Instrument :
BNA_F
ClientSampleId :

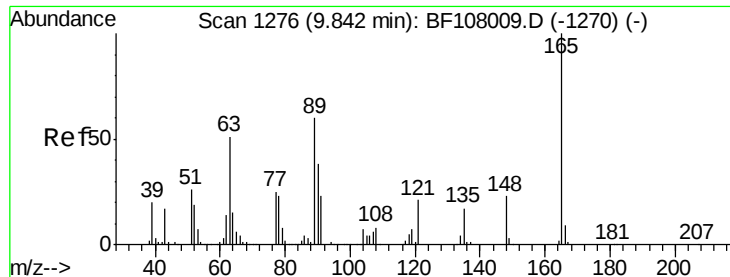
Tot Ion:172 Resp: 1283651
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.2 19.6 29.4



#49
Dimethylphthalate
Concen: 2.881 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108546.D
Acq: 28 Aug 2018 8:12

Tgt Ion:163 Resp: 29832
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 10.9 8.2 12.2

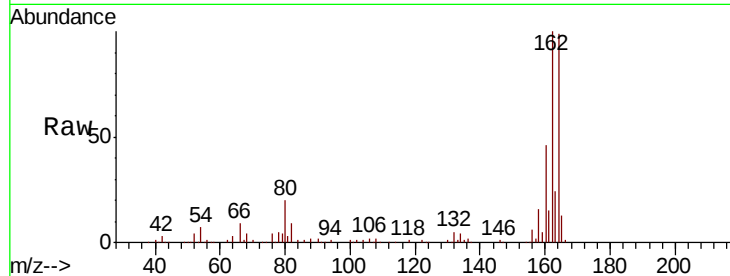




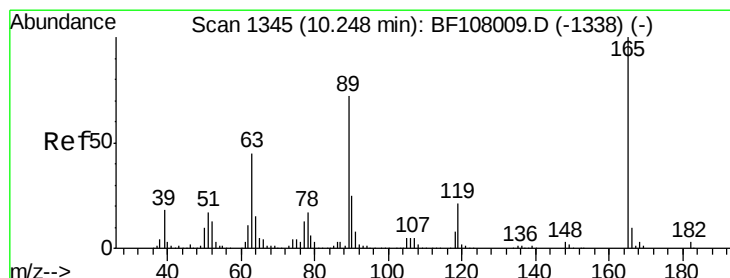
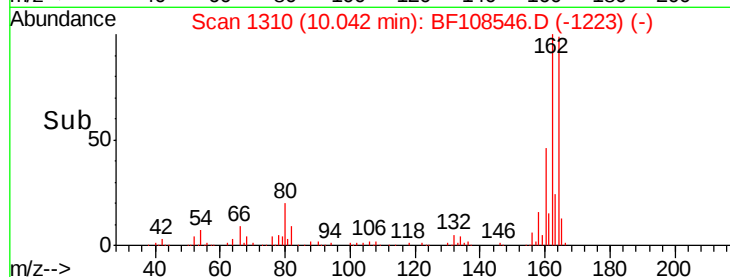
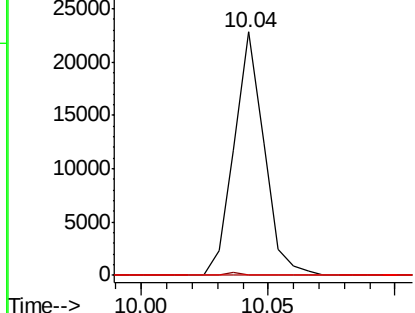
#50
 2,6-Dinitrotoluene
 Concen: 8.658 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108546.D
 Acq: 28 Aug 2018 8:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#

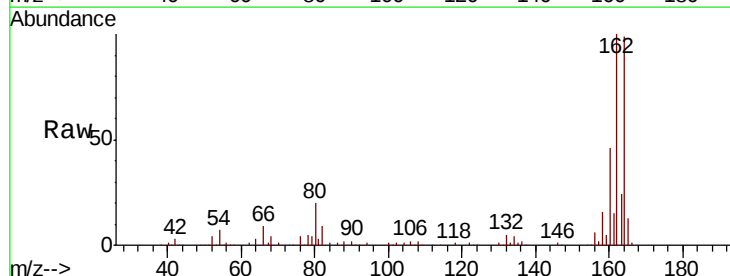


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

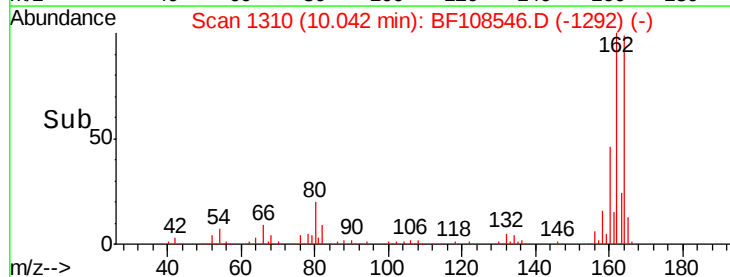
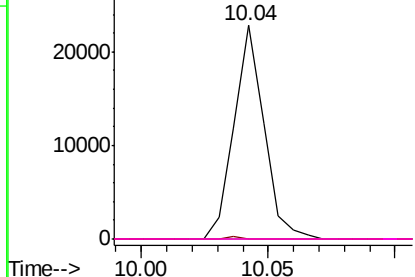


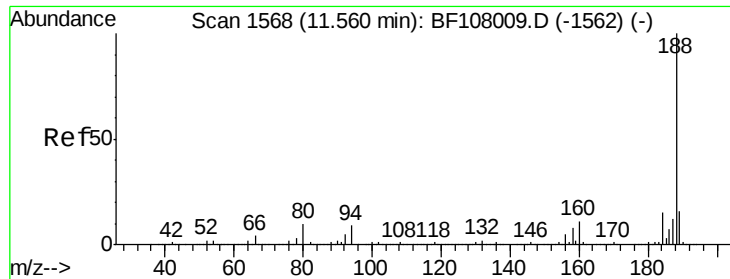
#56
 2,4-Dinitrotoluene
 Concen: 6.726 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108546.D
 Acq: 28 Aug 2018 8:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	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

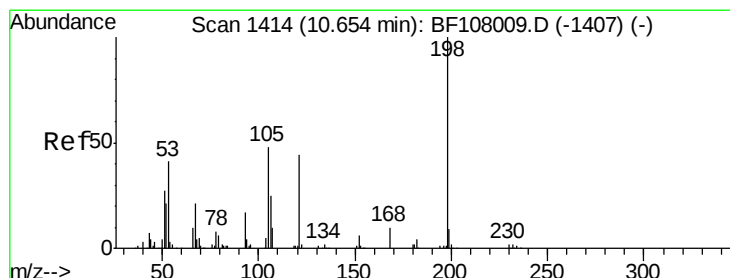
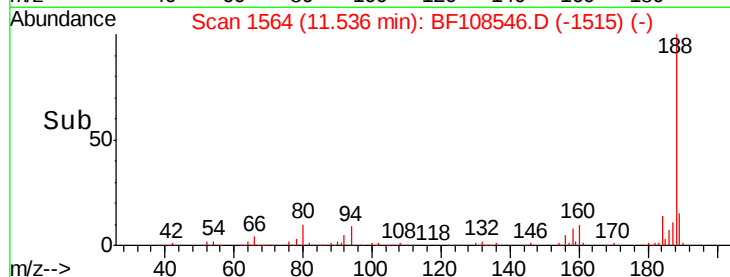
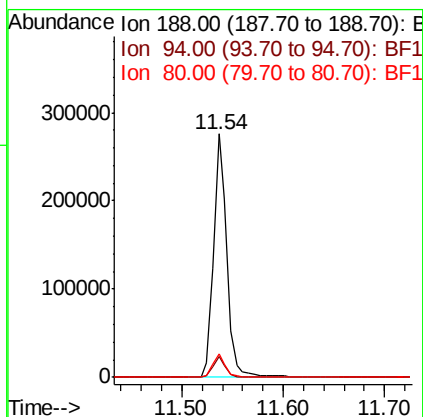
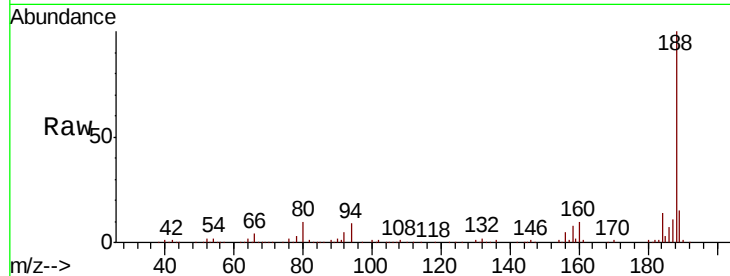




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108546.D
 Acq: 28 Aug 2018 8:12

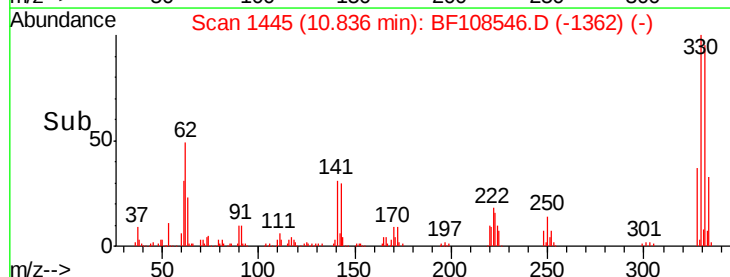
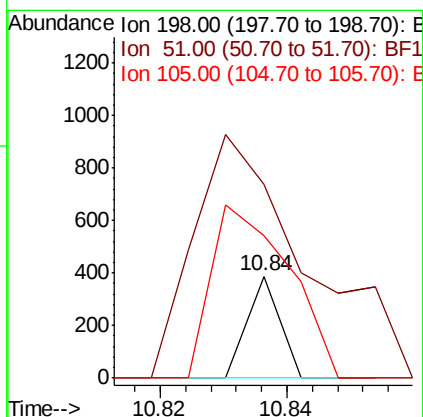
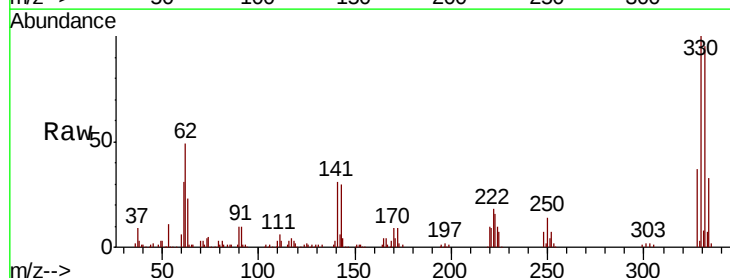
Instrument :
 BNA_F
 ClientSampleId :

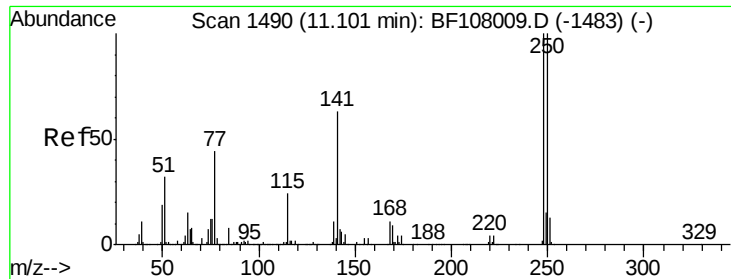
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.5	9.2	13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.488 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.19 min
 Lab File: BF108546.D
 Acq: 28 Aug 2018 8:12

Tgt Ion	Ratio	Lower	Upper
198	100		
51	189.9	37.7	77.7#
105	139.9	36.3	76.3#

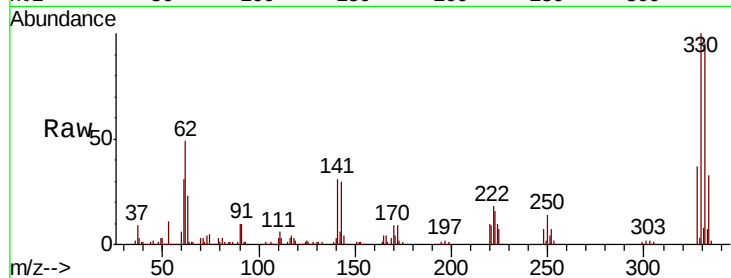




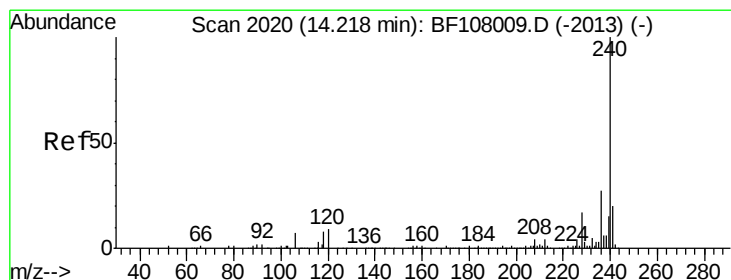
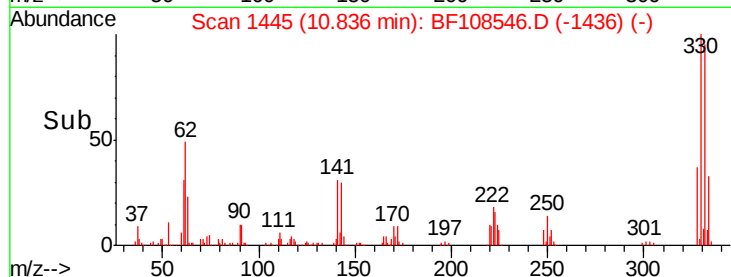
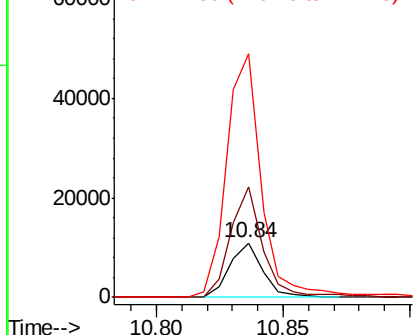
#66
4-Bromophenyl-phenylether
Concen: 3.600 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.25 min
Lab File: BF108546.D
Acq: 28 Aug 2018 8:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9835
Ion Ratio Lower Upper
248 100
250 202.5 76.9 115.3#
141 445.3 74.4 111.6#

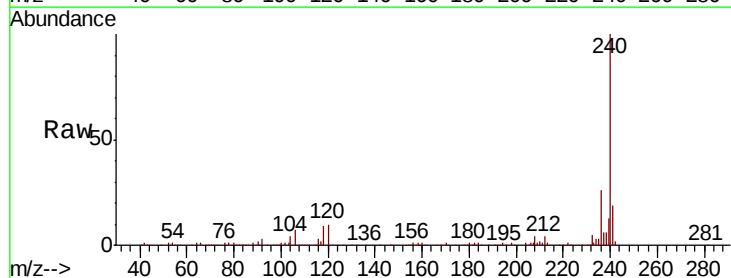


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

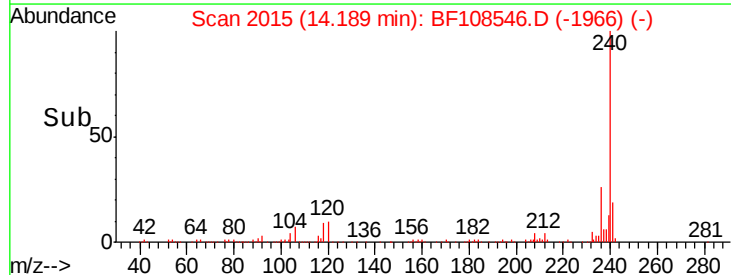
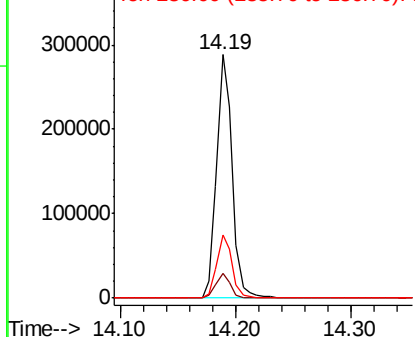


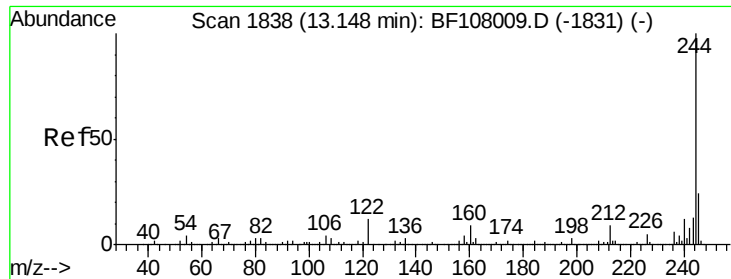
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF108546.D
Acq: 28 Aug 2018 8:12

Tgt Ion:240 Resp: 269479
Ion Ratio Lower Upper
240 100
120 10.1 9.5 14.3
236 26.1 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

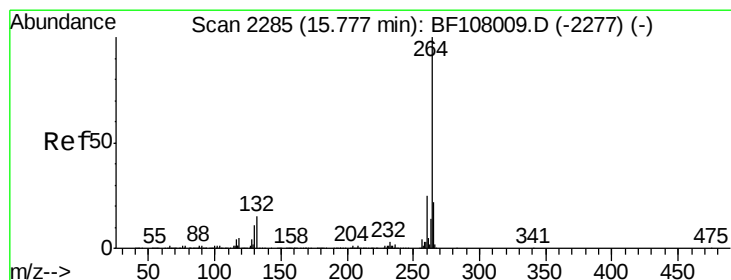
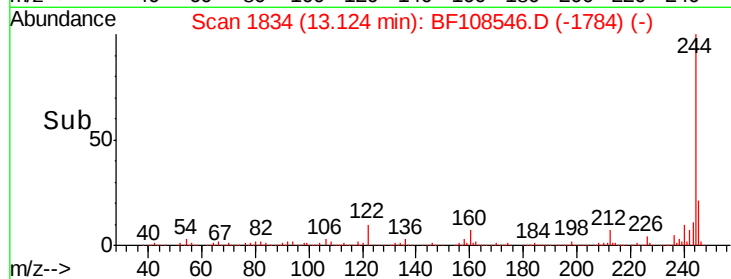
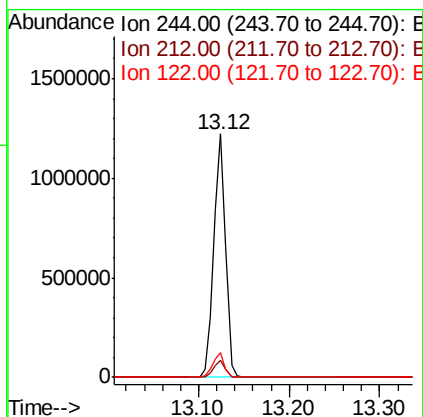
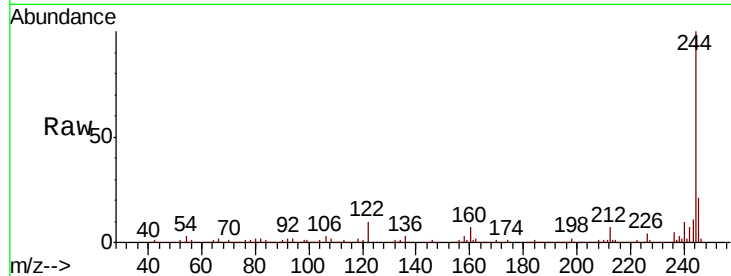




#78
 Terphenyl-d14
 Concen: 104.942 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF108546.D
 Acq: 28 Aug 2018 8:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1112252
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 10.0 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.75 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF108546.D
 Acq: 28 Aug 2018 8:12

Tgt Ion:264 Resp: 184455
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.2 28.8
 265 21.2 17.5 26.3

