

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
 Data File : BF108493.D
 Acq On : 25 Aug 2018 5:50
 Operator : JU/SJ
 Sample : J4582-09
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 27 01:35:18 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

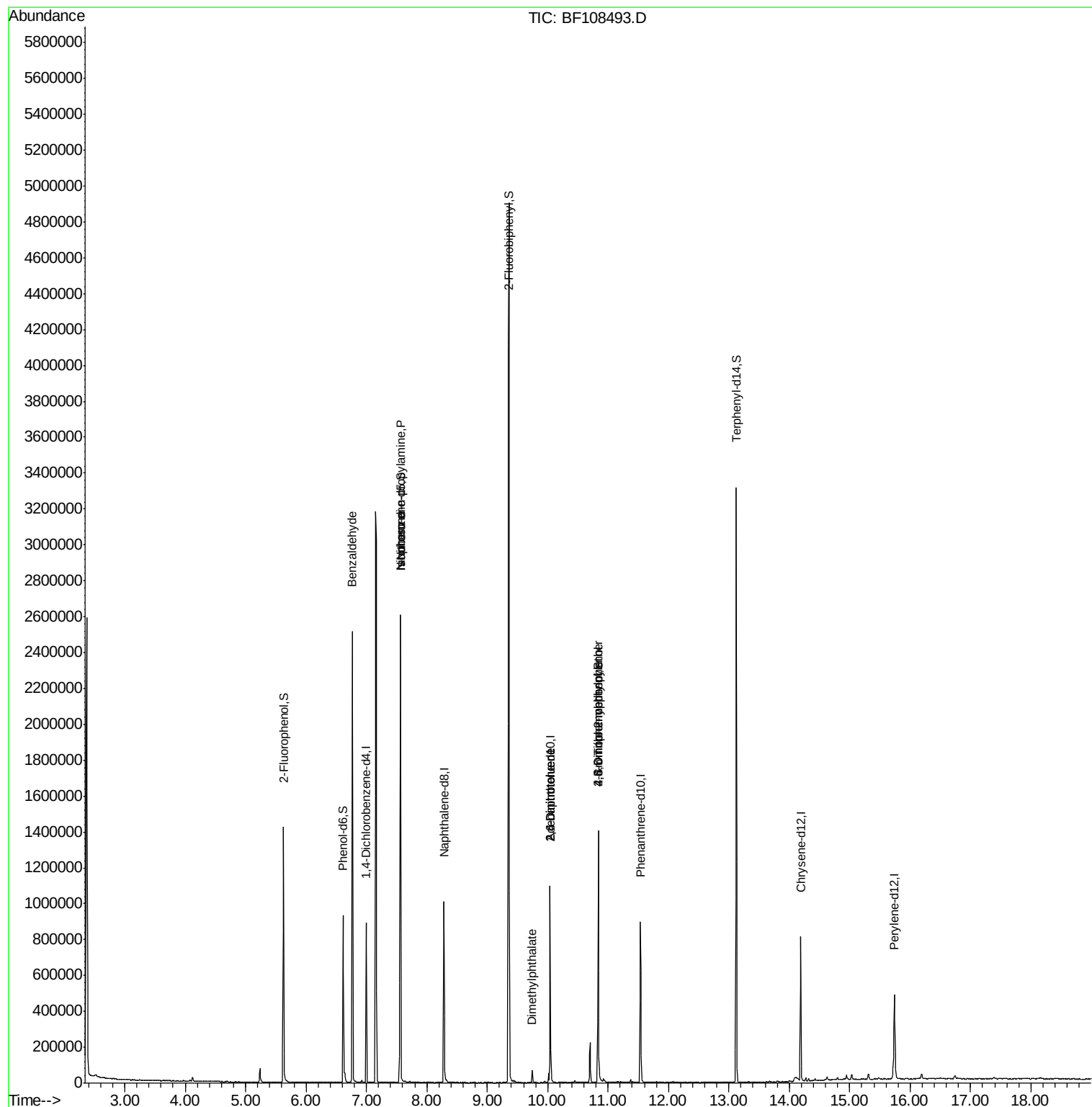
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	127267	20.00	ng	-0.01
21) Naphthalene-d8	8.28	136	459697	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	210246	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	333160	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	261890	20.00	ng	-0.01
86) Perylene-d12	15.74	264	250197	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	334413	47.57	ng	0.00
7) Phenol-d6	6.61	99	278428	29.81	ng	-0.02
23) Nitrobenzene-d5	7.57	82	892578	108.35	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	177411	84.60	ng	-0.01
44) 2-Fluorobiphenyl	9.36	172	1547869	118.20	ng	0.00
78) Terphenyl-d14	13.12	244	1117331	108.48	ng	0.00
Target Compounds						
9) Benzaldehyde	6.77	77	15152	2.092	ng	# 75
19) n-Nitroso-di-n-propylamine	7.57	70	122195	19.344	ng	# 82
25) Isophorone	7.57	82	892570	56.844	ng	# 64
49) Dimethylphthalate	9.74	163	35556	2.428	ng	# 99
50) 2,6-Dinitrotoluene	10.04	165	26478	8.641	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	26478	6.713	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	302	5.573	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	10957	3.026	ng	# 1

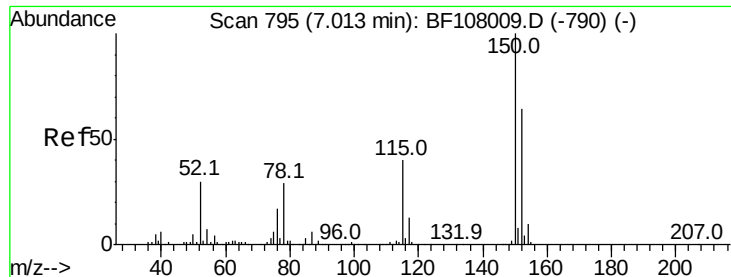
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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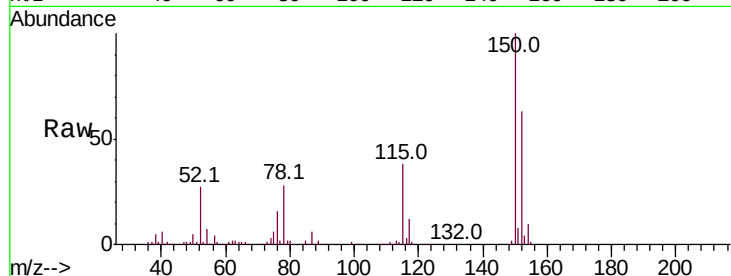


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108493.D
Acq: 25 Aug 2018 5:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.6	186.8
115	61.2	50.1	75.1

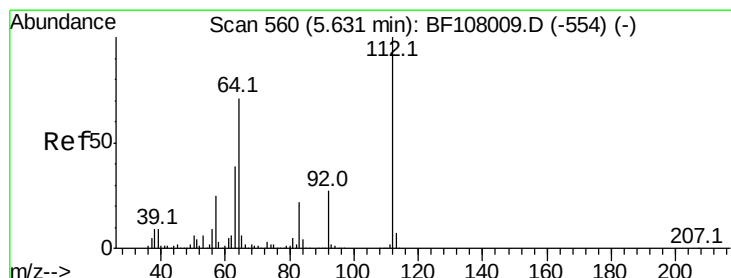
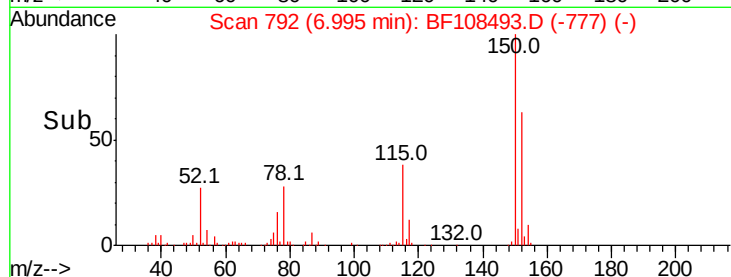
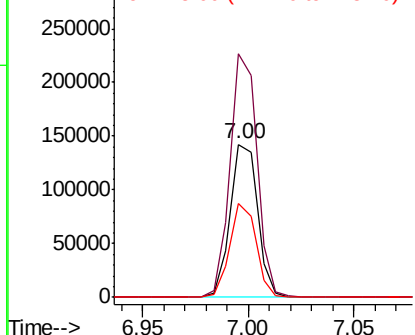


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

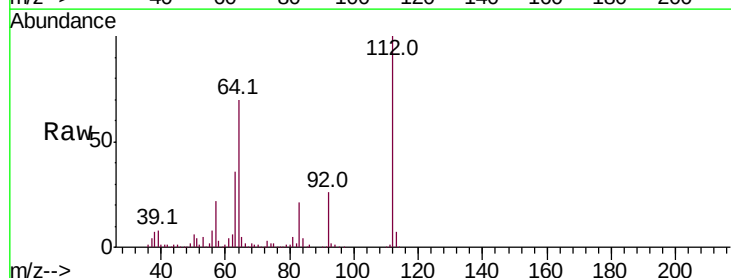
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.572 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108493.D
Acq: 25 Aug 2018 5:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	47.9	71.9
63	35.7	23.7	35.5#

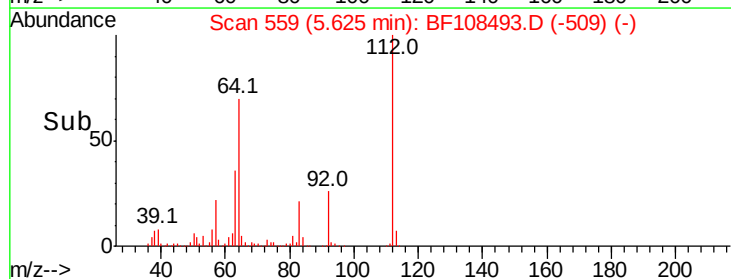
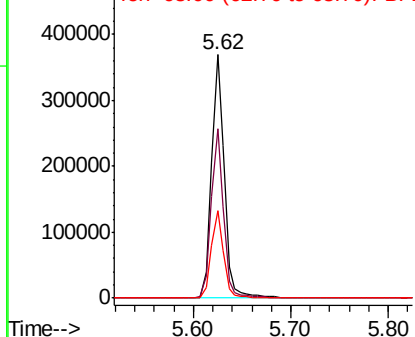


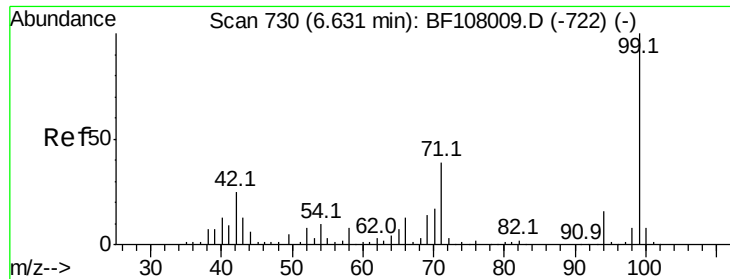
Abundance

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: 29.806 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108493.D

Acq: 25 Aug 2018 5:50

Instrument :

BNA_F

ClientSampleId :

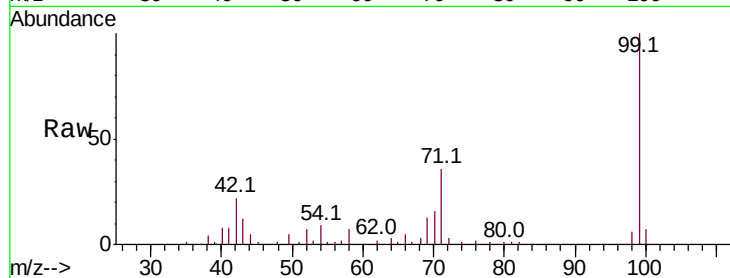
Tot Ion: 99 Resp: 278428

Ion Ratio Lower Upper

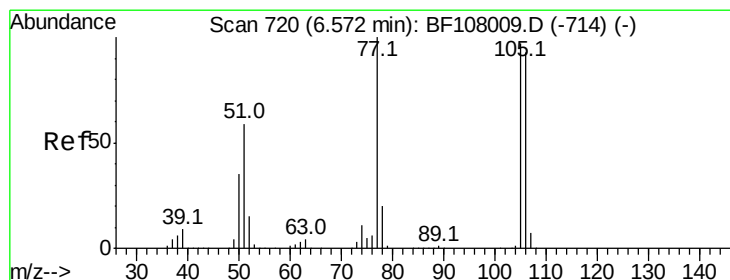
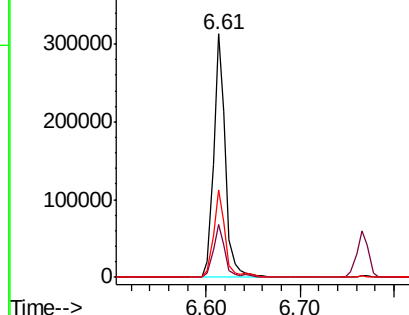
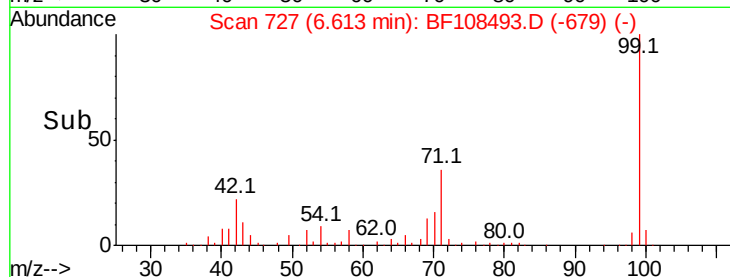
99 100

42 21.9 14.5 21.7#

71 35.7 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: 2.092 ng

RT: 6.77 min Scan# 753

Delta R.T. 0.21 min

Lab File: BF108493.D

Acq: 25 Aug 2018 5:50

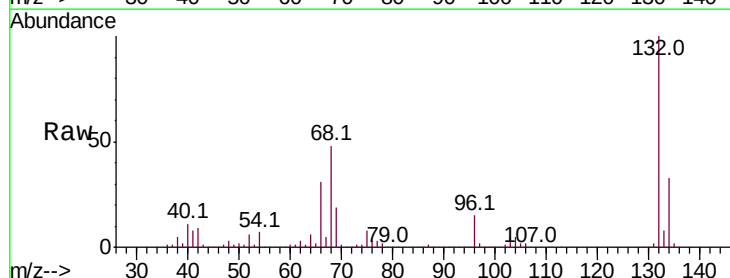
Tgt Ion: 77 Resp: 15152

Ion Ratio Lower Upper

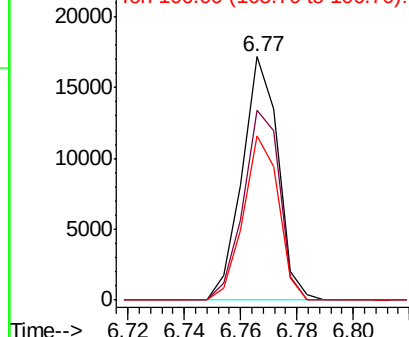
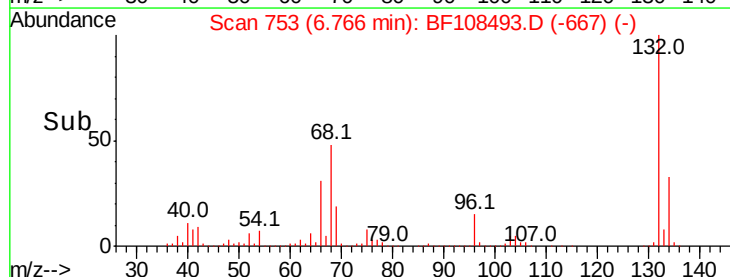
77 100

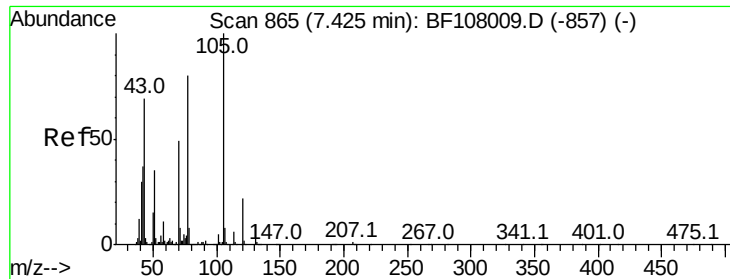
105 78.1 81.1 121.1#

106 67.4 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

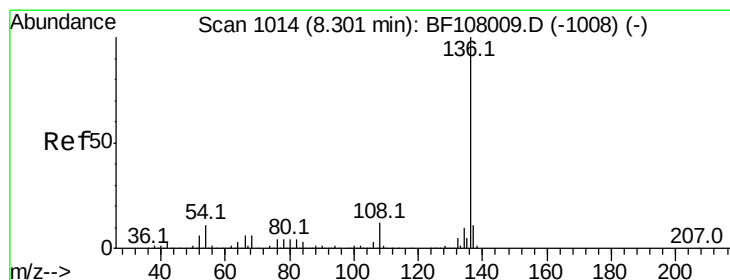
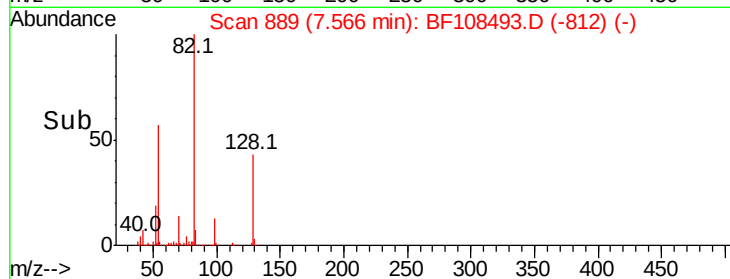
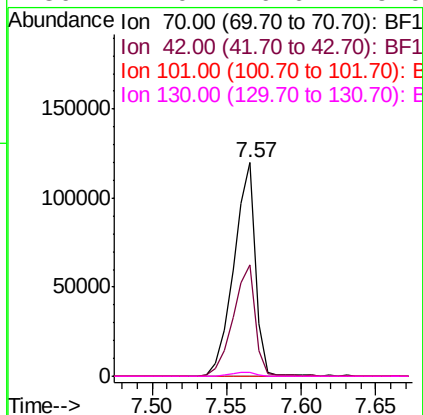
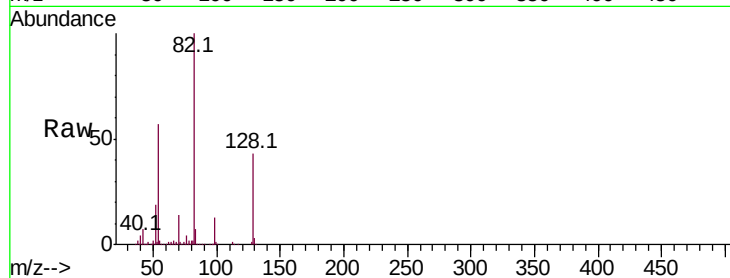




#19
n-Nitroso-di-n-propylamine
Concen: 19.344 ng
RT: 7.57 min Scan# 889
Delta R.T. 0.15 min
Lab File: BF108493.D
Acq: 25 Aug 2018 5:50

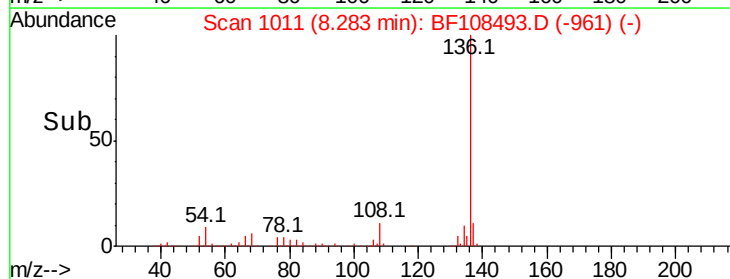
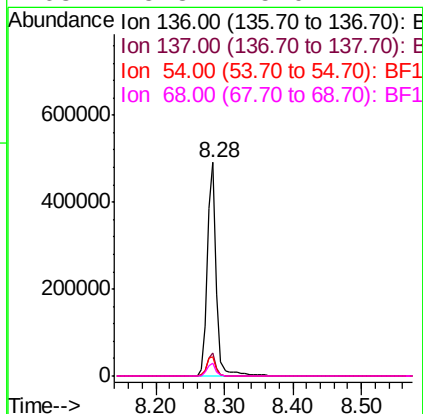
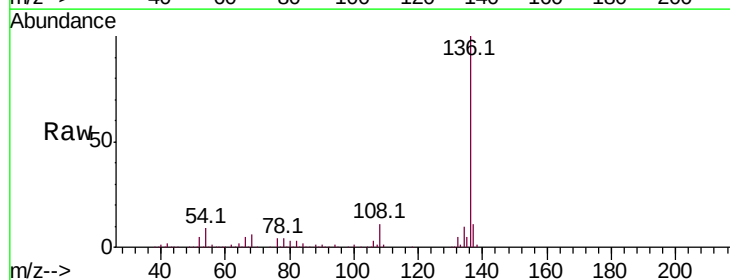
Instrument :
BNA_F
ClientSampleId :

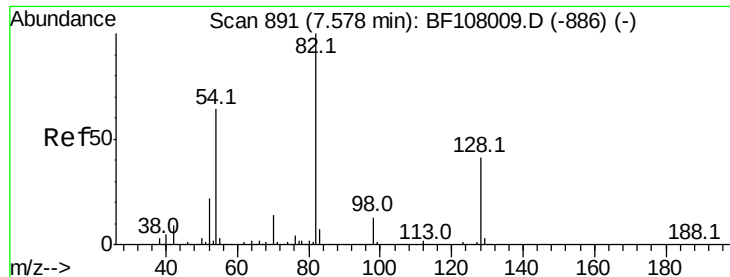
Tot Ion	Ratio	Lower	Upper
70	100		
42	52.2	47.5	71.3
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108493.D
Acq: 25 Aug 2018 5:50

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.1	6.6	9.8
68	5.8	5.0	7.4

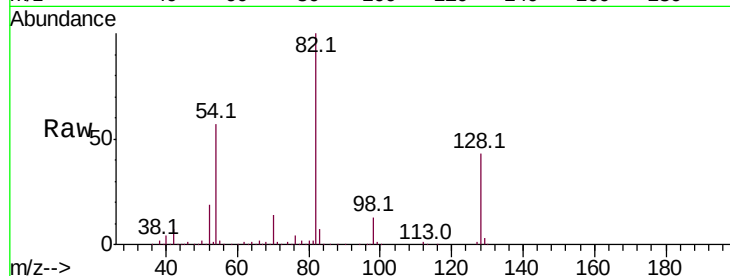




#23
Nitrobenzene-d5
Concen: 108.348 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108493.D
Acq: 25 Aug 2018 5:50

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.7	36.1	54.1
54	57.3	41.4	62.2

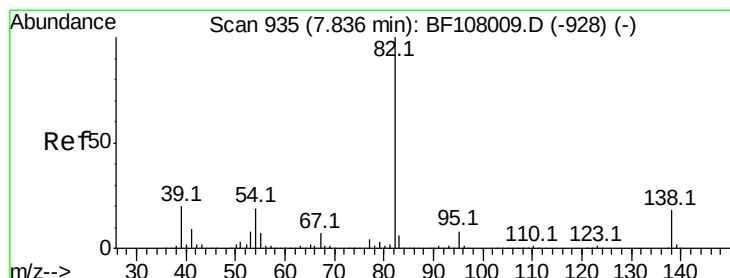
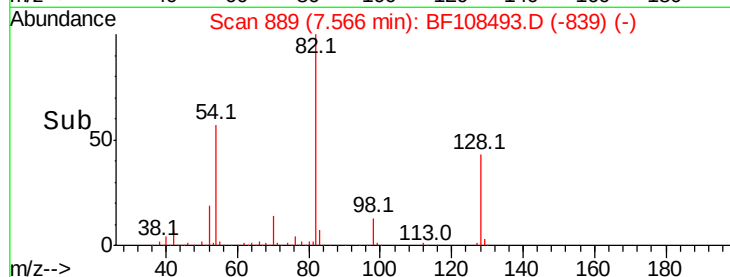
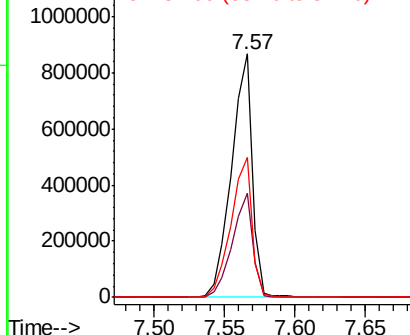


Abundance

Ion 82.00 (81.70 to 82.70): BF1

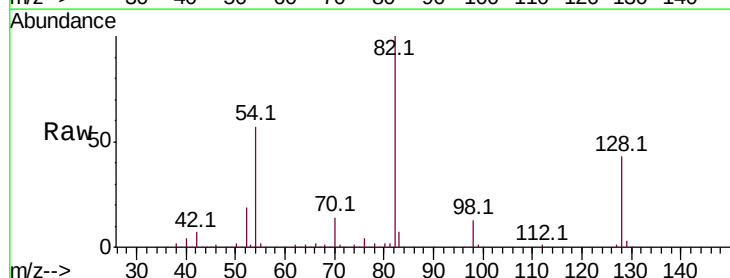
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25
Isophorone
Concen: 56.844 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.26 min
Lab File: BF108493.D
Acq: 25 Aug 2018 5:50

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

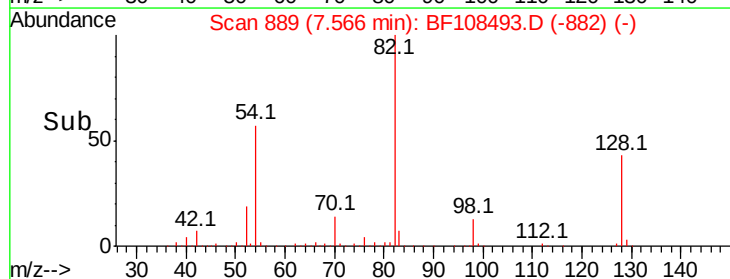
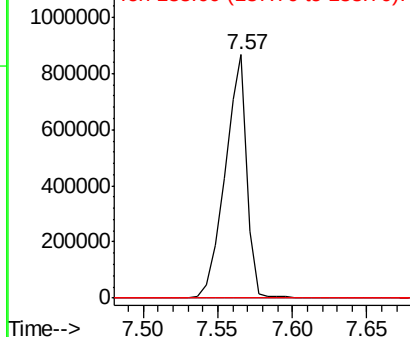


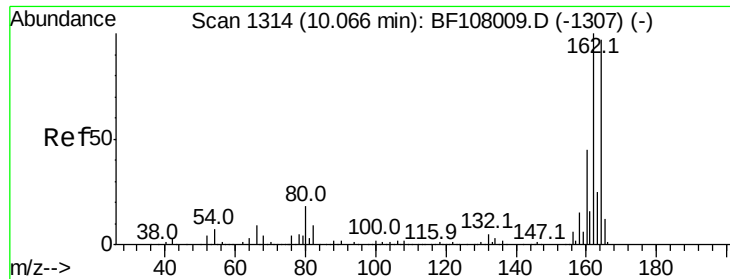
Abundance

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

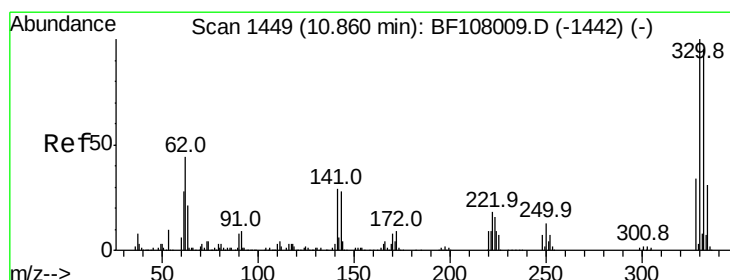
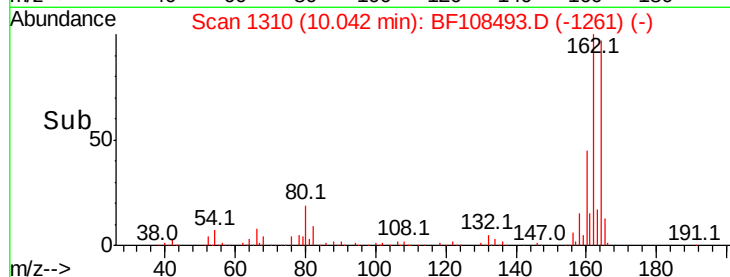
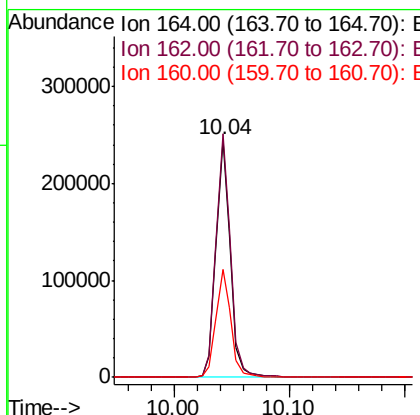
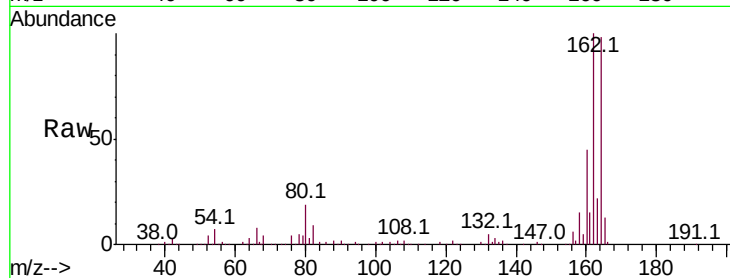




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108493.D
Acq: 25 Aug 2018 5:50

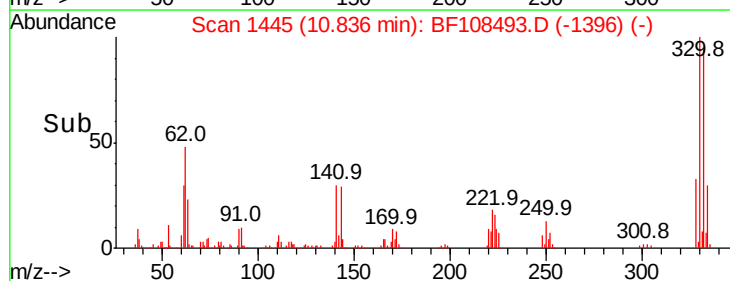
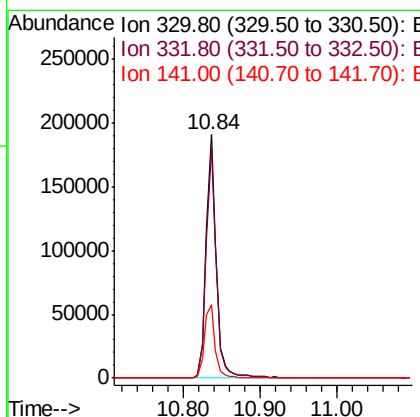
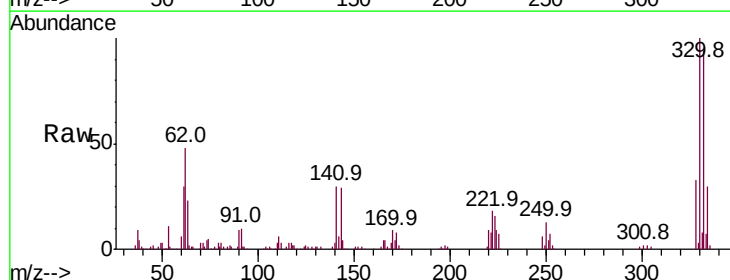
Instrument :
BNA_F
ClientSampleId :

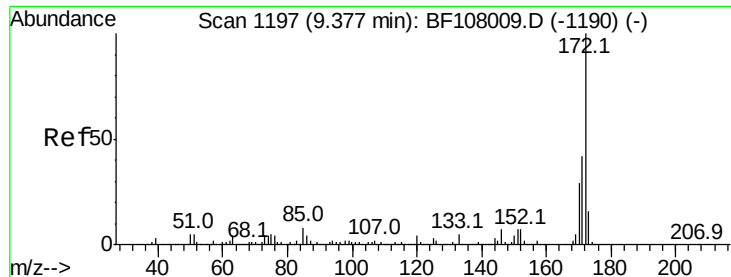
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.5	86.1	129.1
160	45.6	38.3	57.5



#41
2,4,6-Tribromophenol
Concen: 84.596 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF108493.D
Acq: 25 Aug 2018 5:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.0	115.6
141	31.9	29.9	44.9

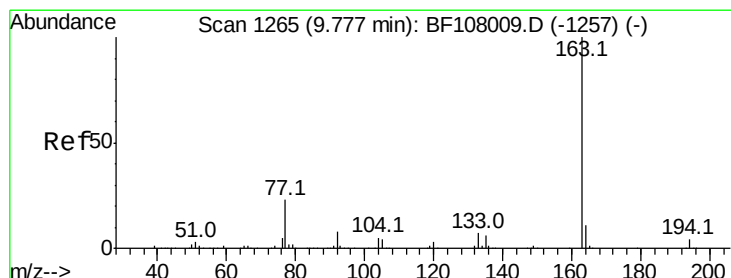
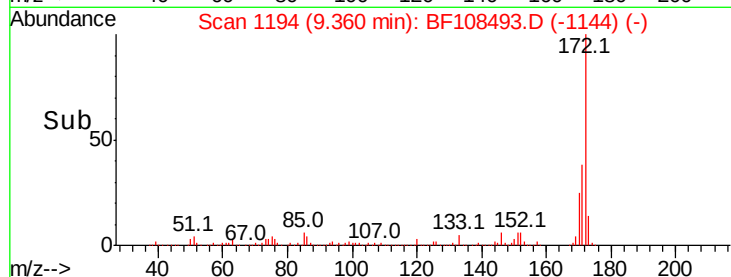
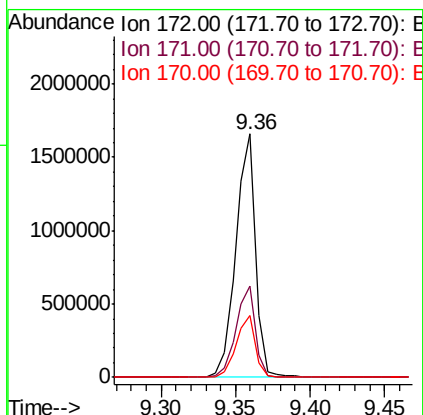
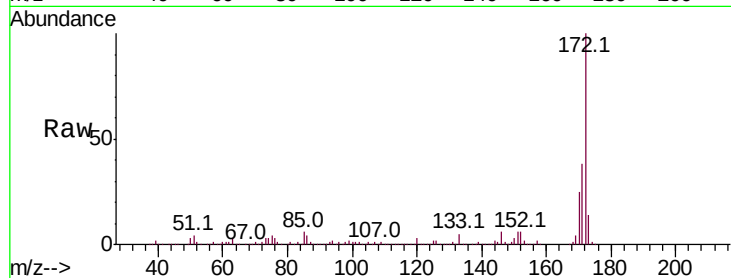




#44
2-Fluorobiphenyl
Concen: 118.198 ng
RT: 9.36 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BF108493.D
Acq: 25 Aug 2018 5:50

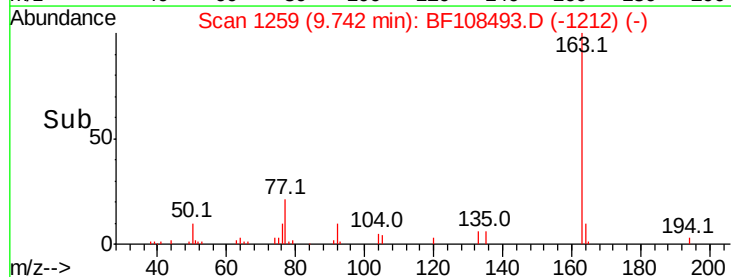
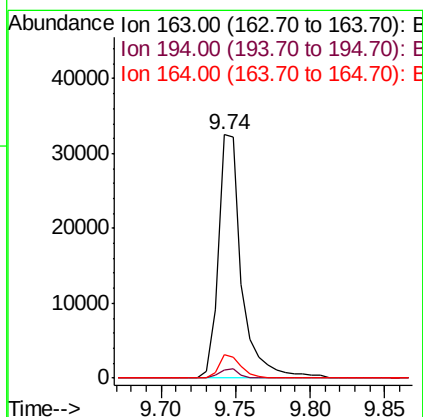
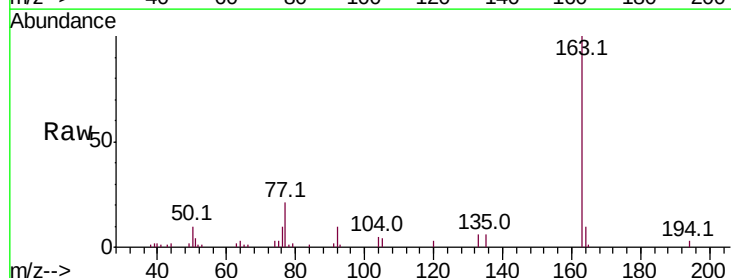
Instrument :
BNA_F
ClientSampleId :

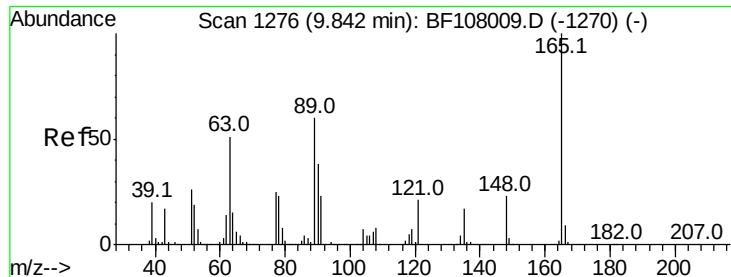
Tot Ion:172 Resp: 1547869
Ion Ratio Lower Upper
172 100
171 37.7 29.7 44.5
170 25.2 19.6 29.4



#49
Dimethylphthalate
Concen: 2.428 ng
RT: 9.74 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF108493.D
Acq: 25 Aug 2018 5:50

Tgt Ion:163 Resp: 35556
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.6 8.2 12.2

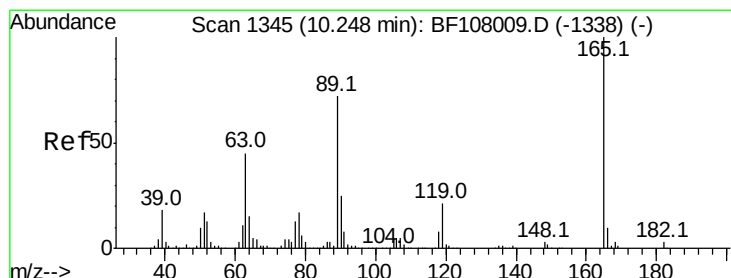
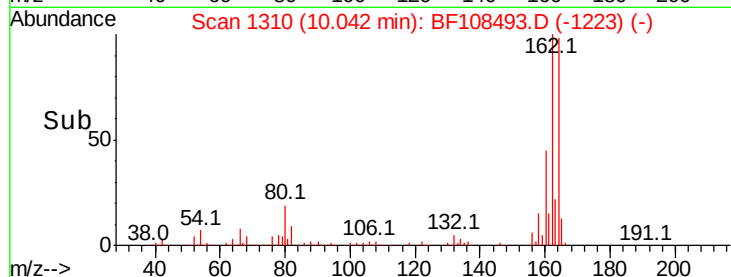
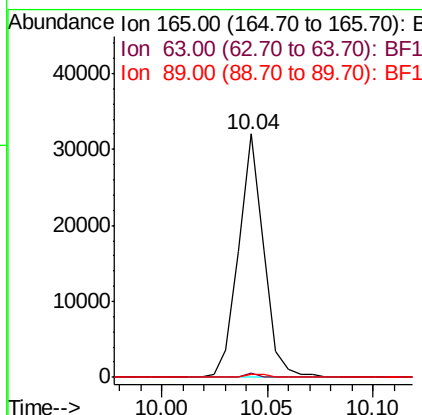
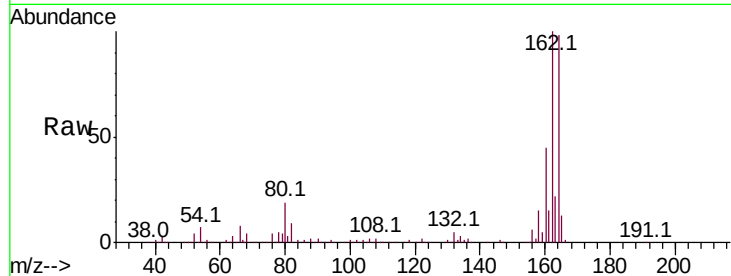




#50
 2,6-Dinitrotoluene
 Concen: 8.641 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108493.D
 Acq: 25 Aug 2018 5:50

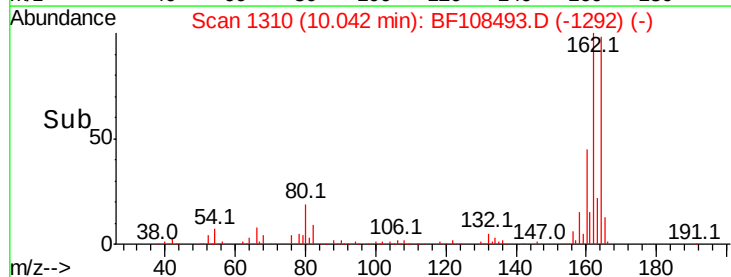
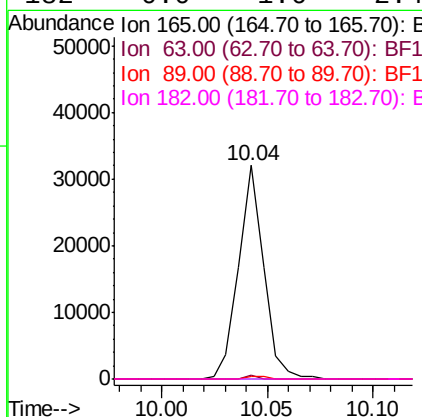
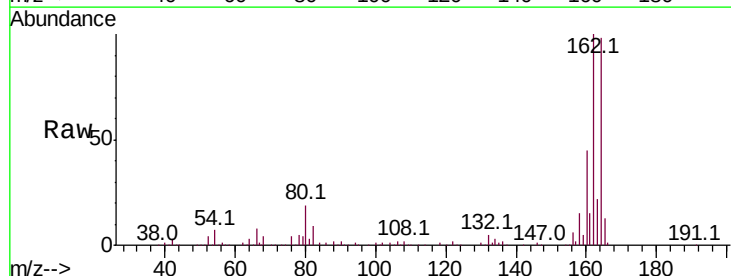
Instrument :
 BNA_F
 ClientSampleId :

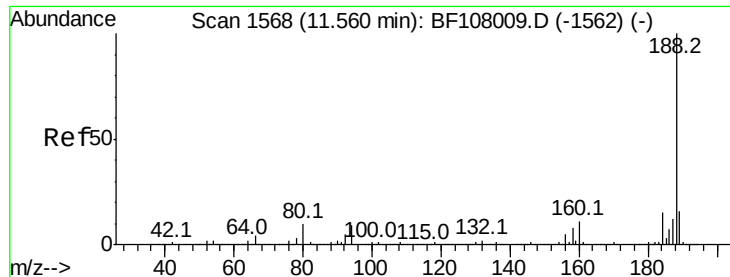
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.713 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108493.D
 Acq: 25 Aug 2018 5:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.4	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: BF108493.D

Acq: 25 Aug 2018 5:50

Instrument :

BNA_F

ClientSampled :

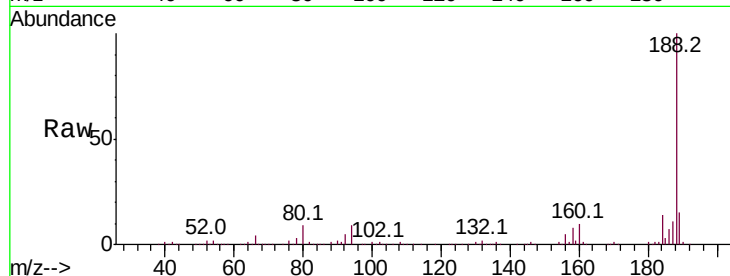
Tot Ion:188 Resp: 333160

Ion Ratio Lower Upper

188 100

94 8.6 8.5 12.7

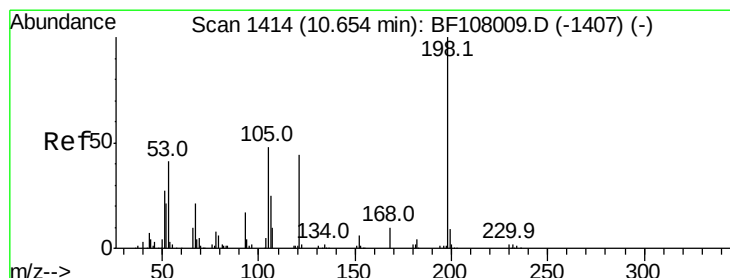
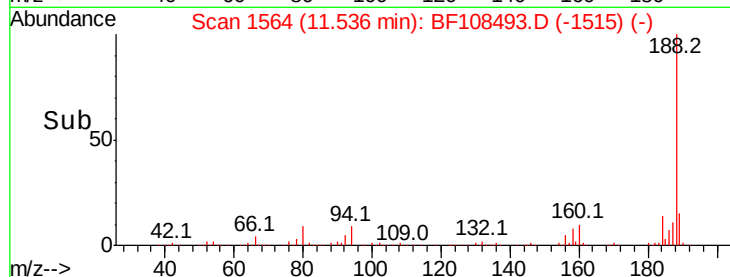
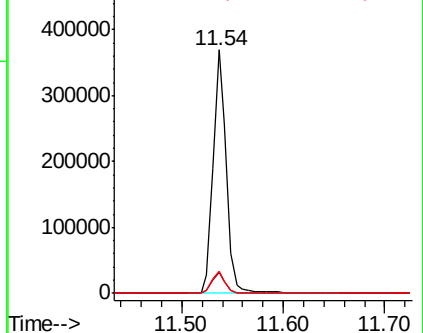
80 9.2 9.2 13.8#



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: 5.573 ng

RT: 10.84 min Scan# 1445

Delta R.T. 0.19 min

Lab File: BF108493.D

Acq: 25 Aug 2018 5:50

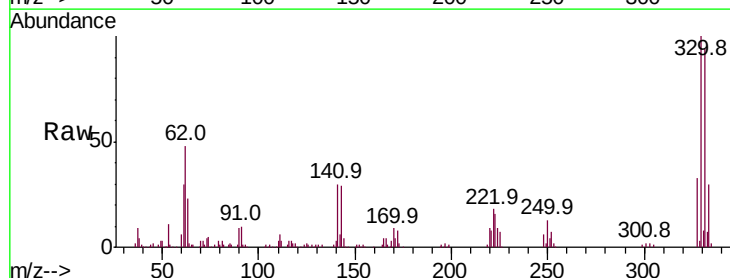
Tgt Ion:198 Resp: 302

Ion Ratio Lower Upper

198 100

51 182.0 37.7 77.7#

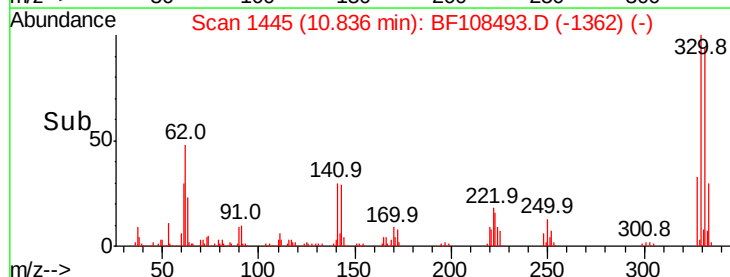
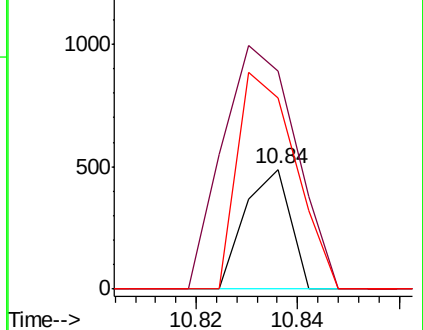
105 159.8 36.3 76.3#

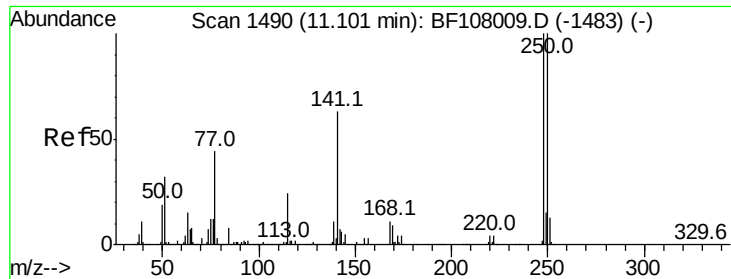


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

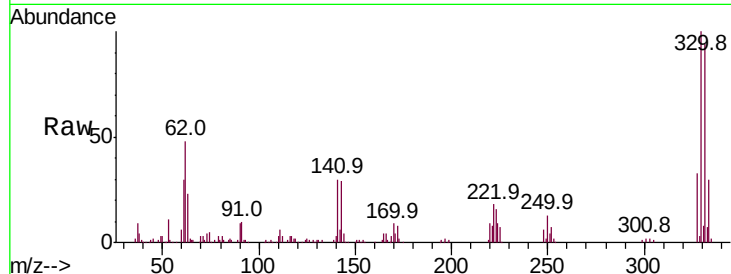




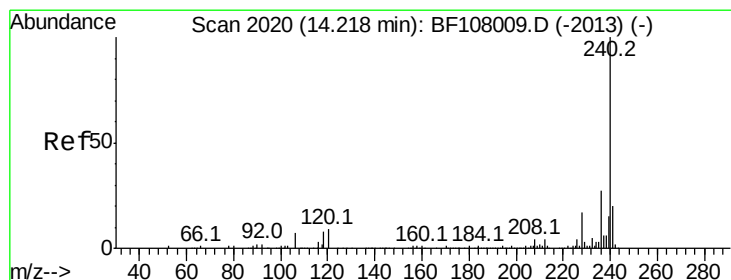
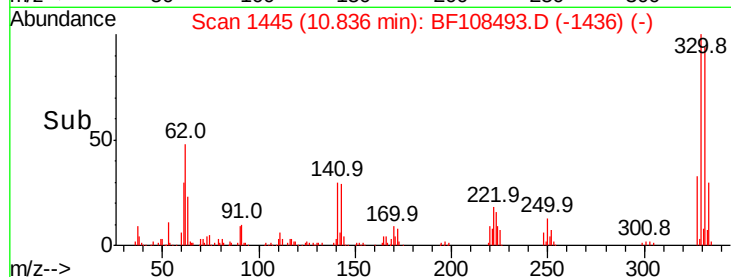
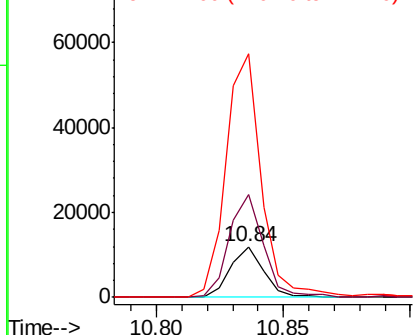
#66
 4-Bromophenyl-phenylether
 Concen: 3.026 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108493.D
 Acq: 25 Aug 2018 5:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10957
 Ion Ratio Lower Upper
 248 100
 250 204.2 76.9 115.3#
 141 481.0 74.4 111.6#

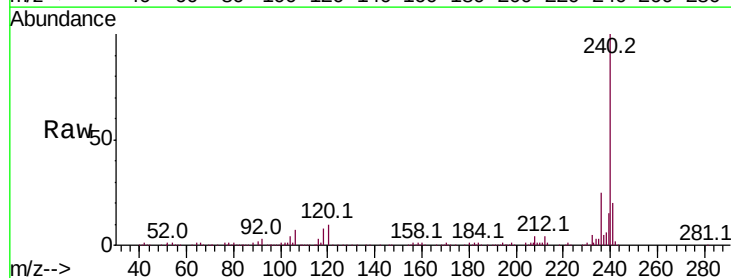


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

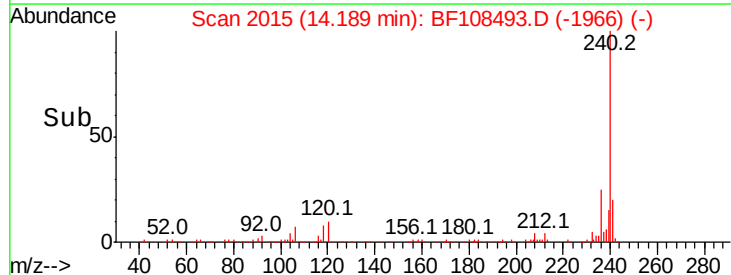
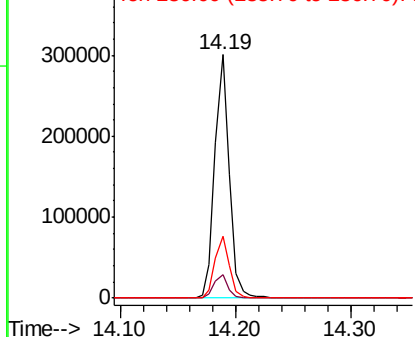


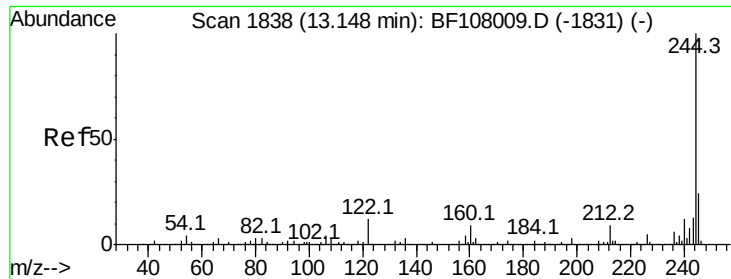
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.19 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF108493.D
 Acq: 25 Aug 2018 5:50

Tgt Ion:240 Resp: 261890
 Ion Ratio Lower Upper
 240 100
 120 9.6 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

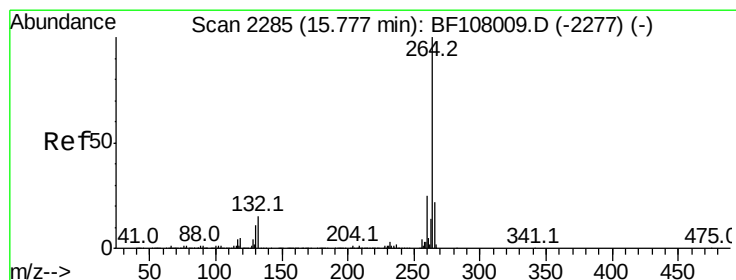
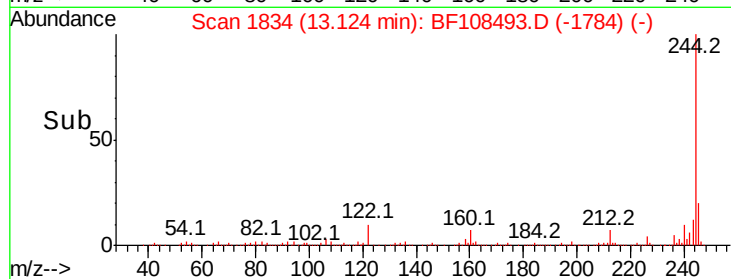
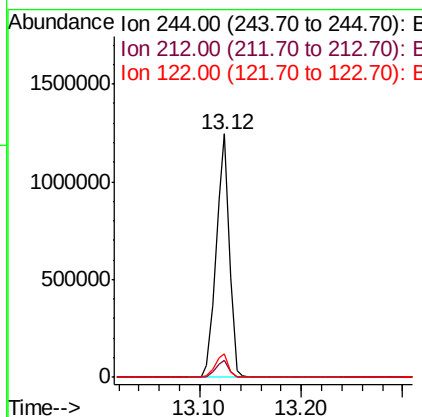
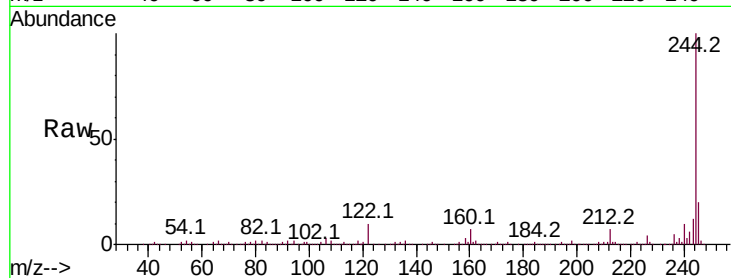




#78
 Terphenyl-d14
 Concen: 108.476 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF108493.D
 Acq: 25 Aug 2018 5:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1117331
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 9.5 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: BF108493.D
 Acq: 25 Aug 2018 5:50

Tgt Ion:264 Resp: 250197
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.2 28.8
 265 22.2 17.5 26.3

