

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
 Data File : BF108553.D
 Acq On : 28 Aug 2018 14:18
 Operator : JU/SJ
 Sample : J4538-01RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 15:25:58 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	112897	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	429574	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	211036	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	390952	20.00	ng	0.00
75) Chrysene-d12	14.19	240	271904	20.00	ng	0.00
86) Perylene-d12	15.75	264	274842	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	710014	113.86	ng	0.02
7) Phenol-d6	6.64	99	919500	110.96	ng	0.01
23) Nitrobenzene-d5	7.57	82	598172	77.70	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	253936	120.63	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	1105461	84.10	ng	-0.01
78) Terphenyl-d14	13.12	244	941028	88.00	ng	0.00

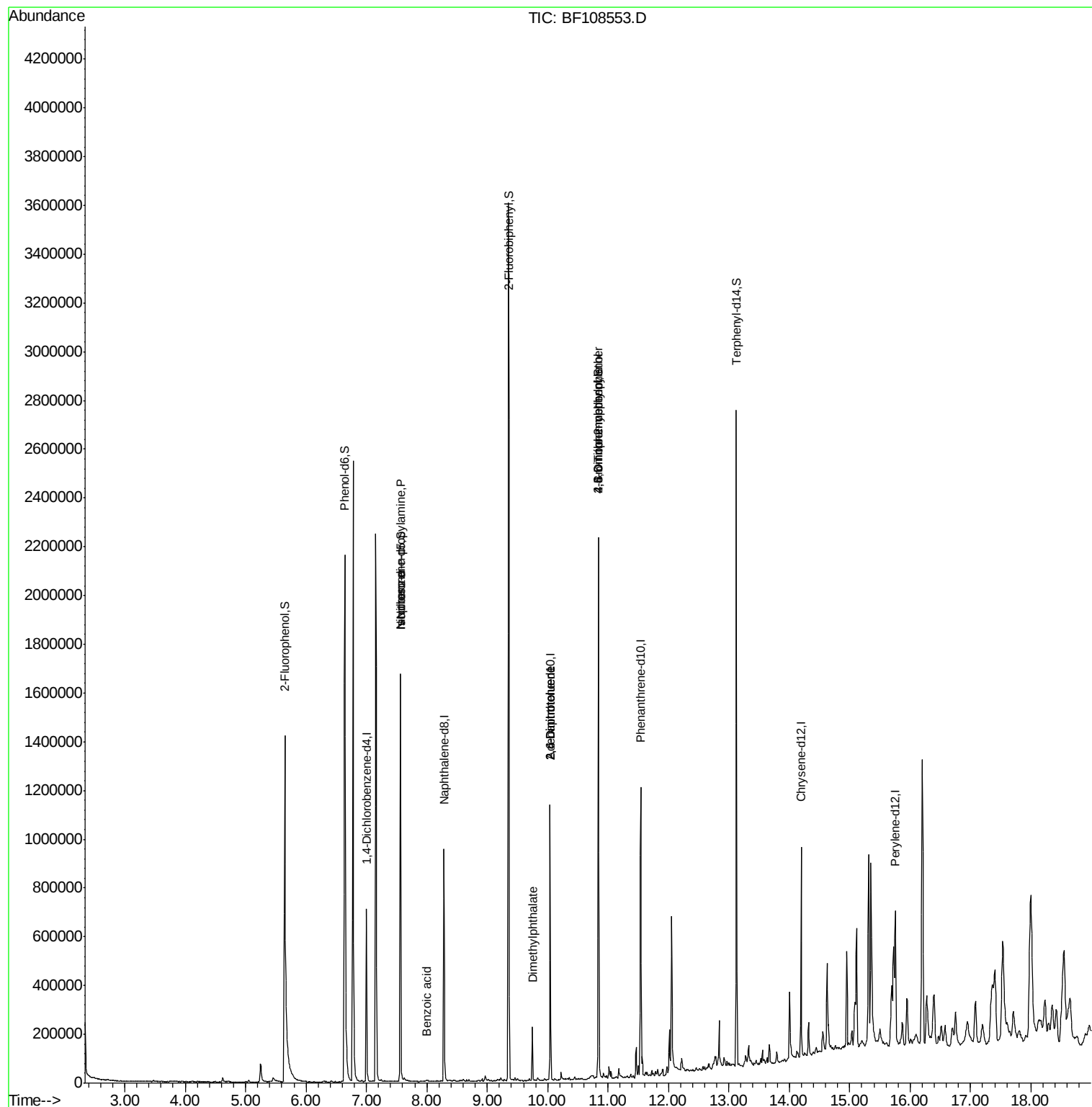
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.57	70	80177	14.308	ng	# 85
25) Isophorone	7.57	82	598162	40.766	ng	# 64
32) Benzoic acid	8.00	122	1324	6.281	ng	# 83
49) Dimethylphthalate	9.75	163	80534	5.478	ng	# 99
50) 2,6-Dinitrotoluene	10.04	165	26786	8.709	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	26786	6.766	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	530	5.679	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	17271	4.065	ng	# 1

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

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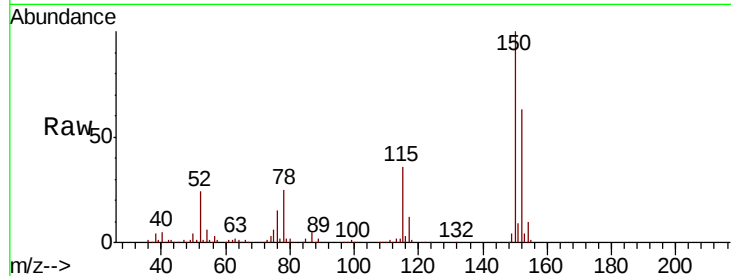


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108553.D
Acq: 28 Aug 2018 14:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.6	186.8
115	57.6	50.1	75.1

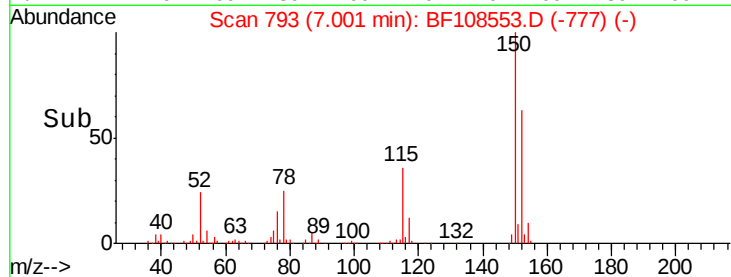
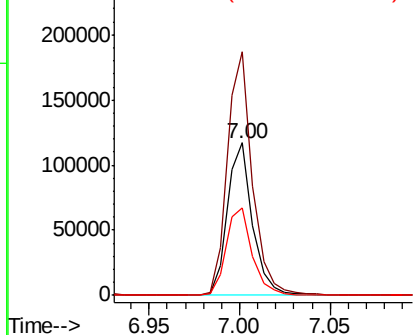


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

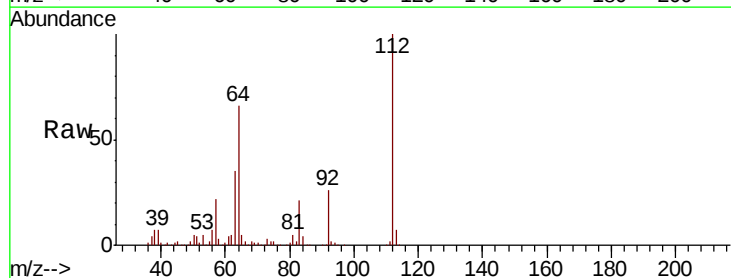
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 113.860 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108553.D
Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	47.9	71.9
63	35.1	23.7	35.5

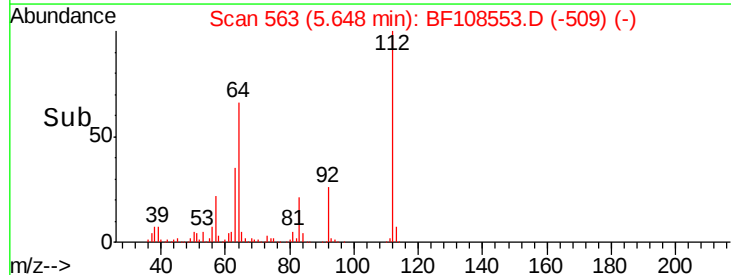
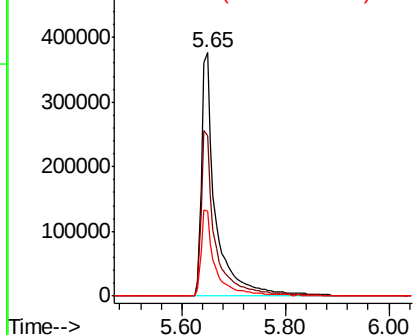


Abundance

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: 110.962 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108553.D

Acq: 28 Aug 2018 14:18

Instrument :

BNA_F

ClientSampleId :

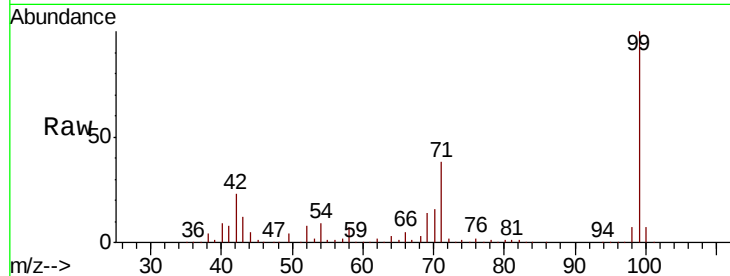
Tot Ion: 99 Resp: 919500

Ion Ratio Lower Upper

99 100

42 22.8 14.5 21.7#

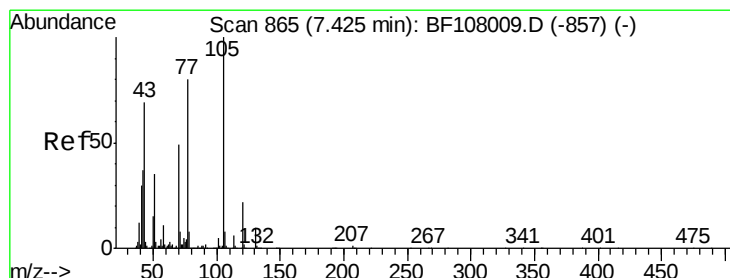
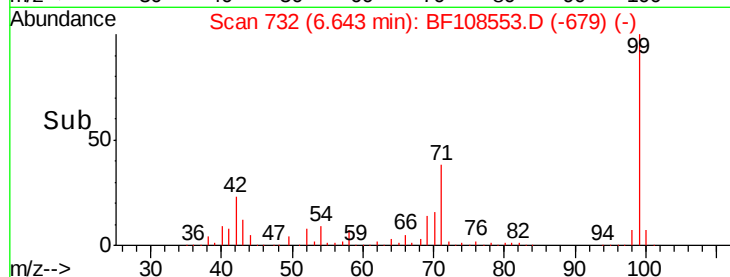
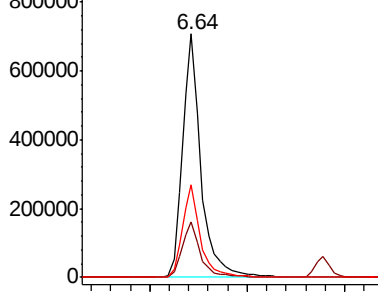
71 37.8 25.4 38.0



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: 14.308 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.15 min

Lab File: BF108553.D

Acq: 28 Aug 2018 14:18

Tgt Ion: 70 Resp: 80177

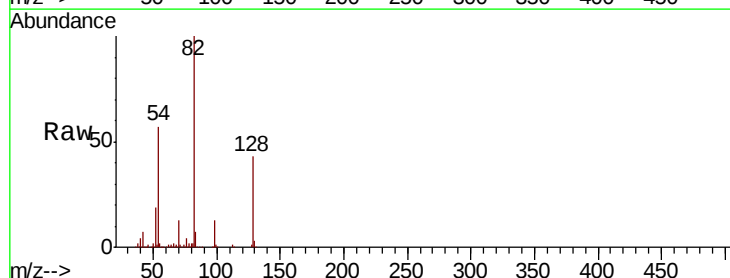
Ion Ratio Lower Upper

70 100

42 55.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

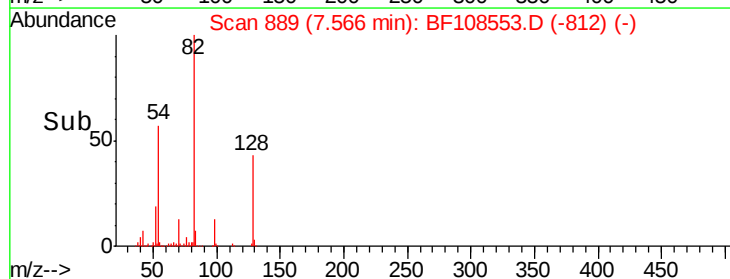
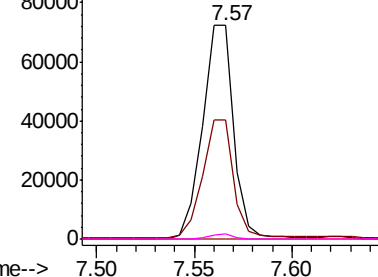


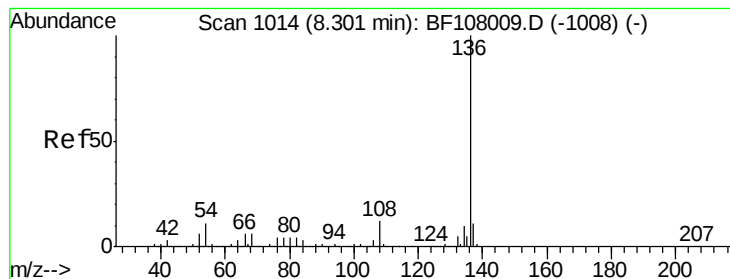
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108553.D

Acq: 28 Aug 2018 14:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 429574

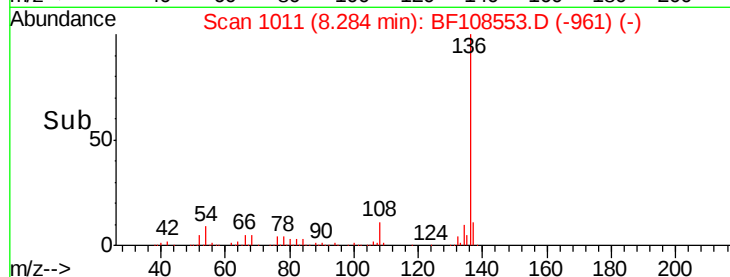
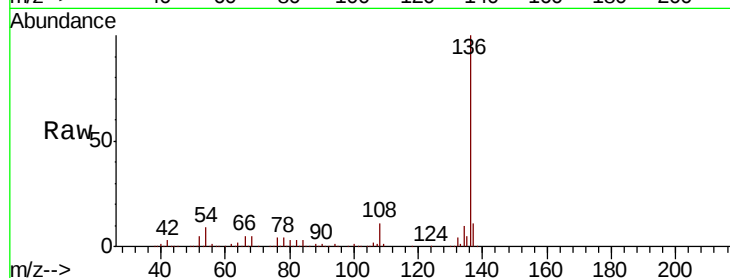
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.2 6.6 9.8

68 5.4 5.0 7.4

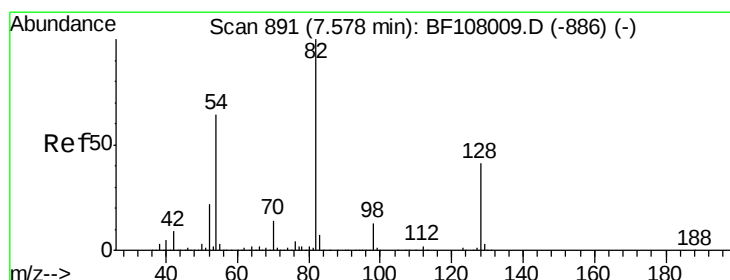
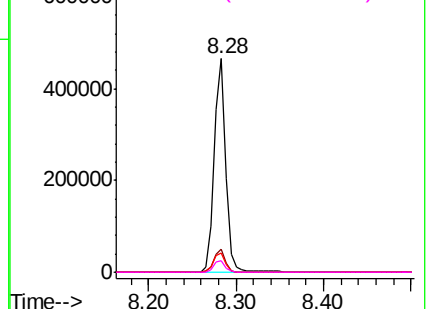


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.702 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF108553.D

Acq: 28 Aug 2018 14:18

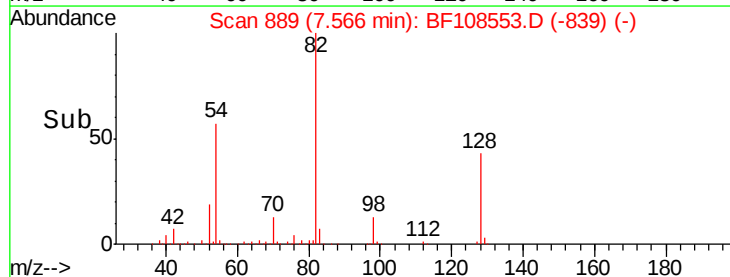
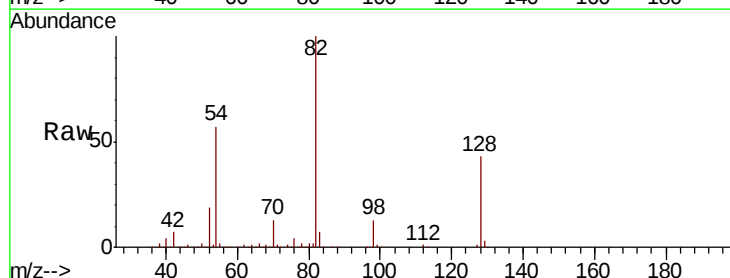
Tgt Ion: 82 Resp: 598172

Ion Ratio Lower Upper

82 100

128 43.2 36.1 54.1

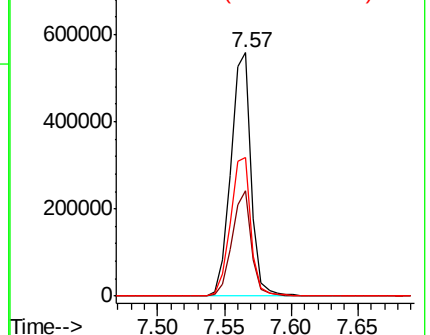
54 56.9 41.4 62.2

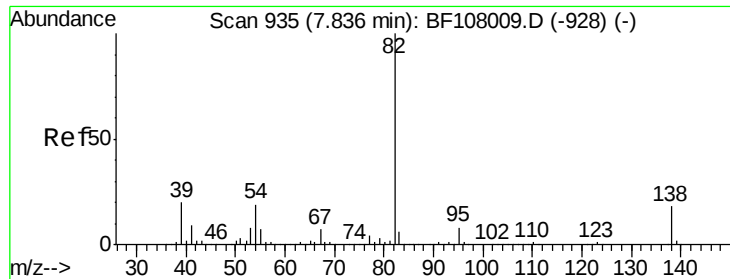


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.766 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF108553.D

Acq: 28 Aug 2018 14:18

Instrument :

BNA_F

ClientSampleId :

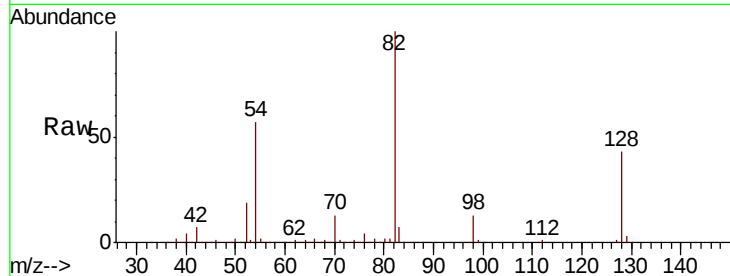
Tot Ion: 82 Resp: 598162

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

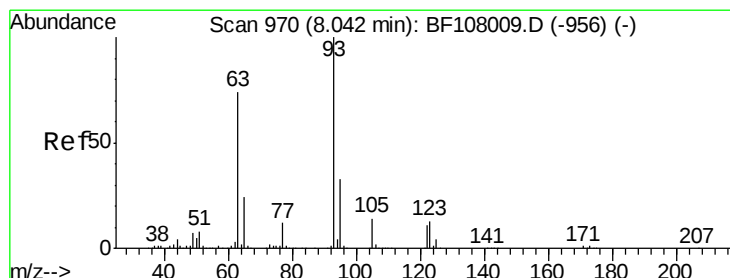
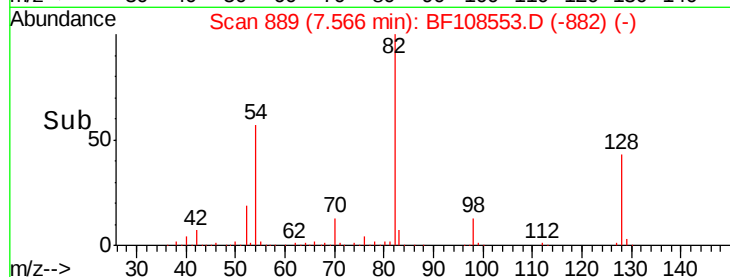
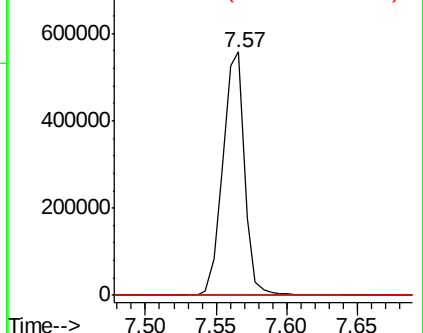
138 0.0 14.9 22.3#



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: 6.281 ng

RT: 8.00 min Scan# 963

Delta R.T. -0.04 min

Lab File: BF108553.D

Acq: 28 Aug 2018 14:18

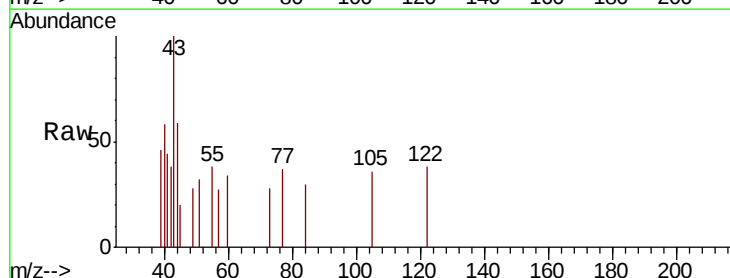
Tgt Ion:122 Resp: 1324

Ion Ratio Lower Upper

122 100

105 93.1 101.1 141.1#

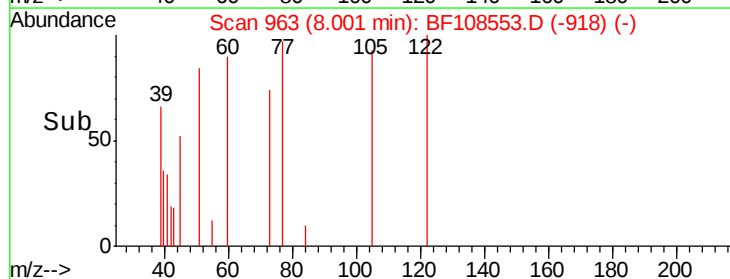
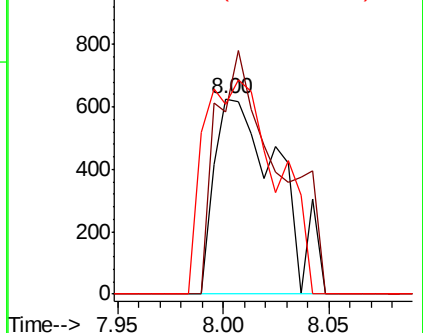
77 97.3 70.7 110.7

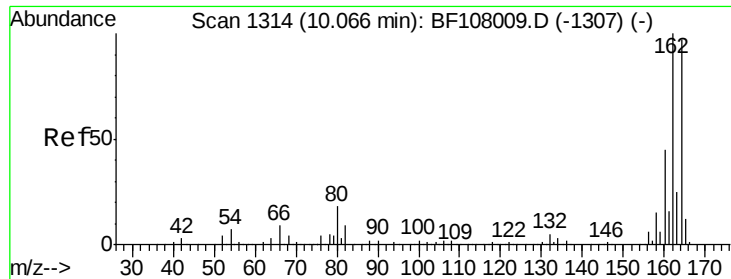


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

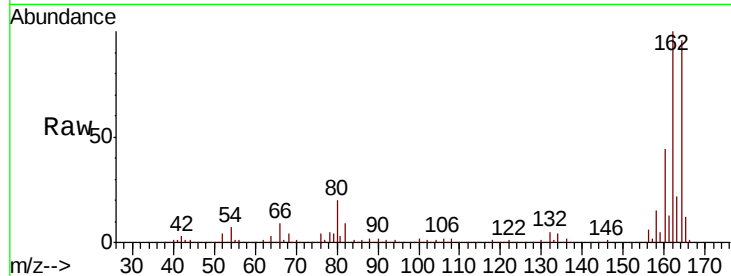




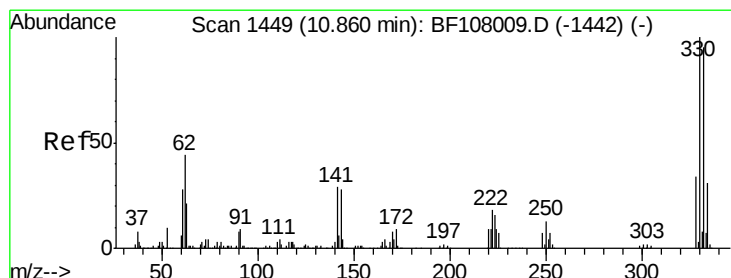
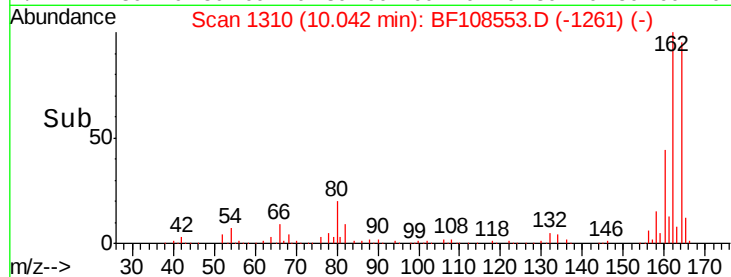
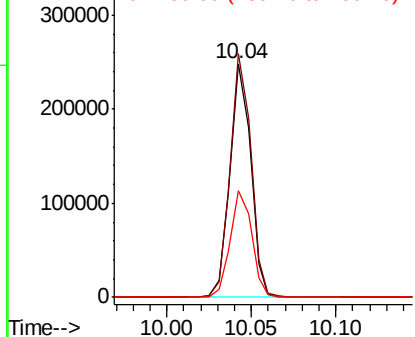
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108553.D
 Acq: 28 Aug 2018 14:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	46.0	38.3	57.5

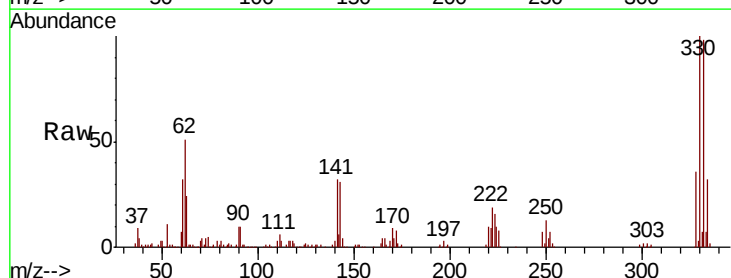


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

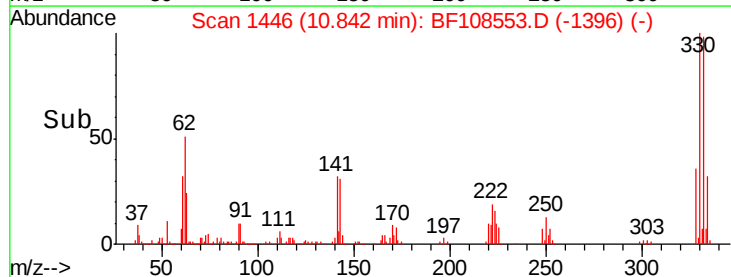
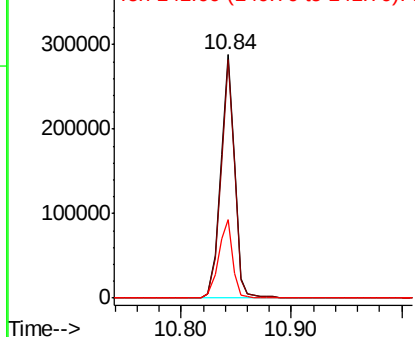


#41
 2,4,6-Tribromophenol
 Concen: 120.633 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108553.D
 Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	32.4	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: 84.099 ng

RT: 9.35 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF108553.D

Acq: 28 Aug 2018 14:18

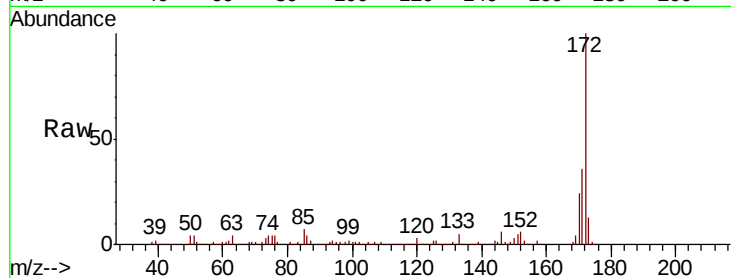
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1105461

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.1	19.6	29.4

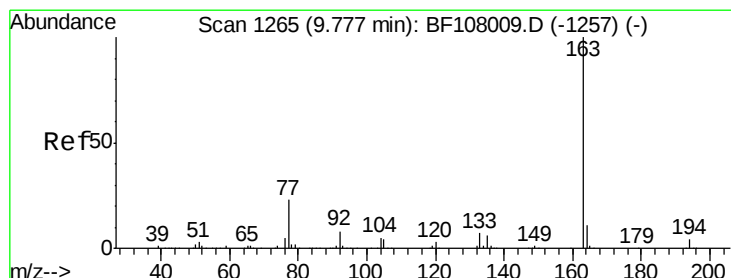
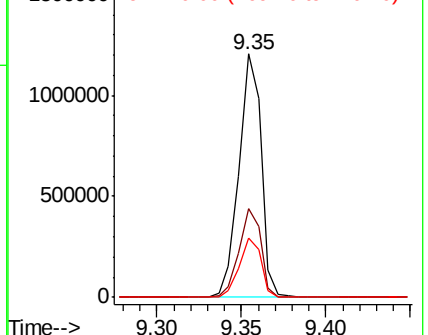
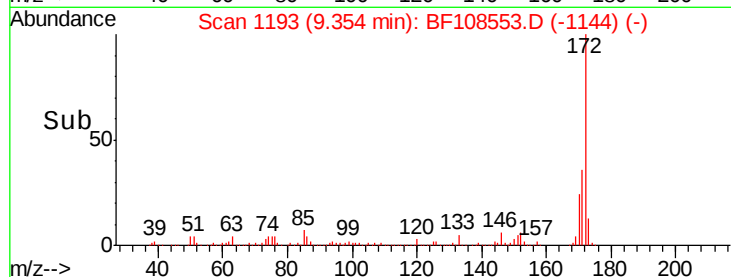


Abundance

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



#49

Dimethylphthalate

Concen: 5.478 ng

RT: 9.75 min Scan# 1260

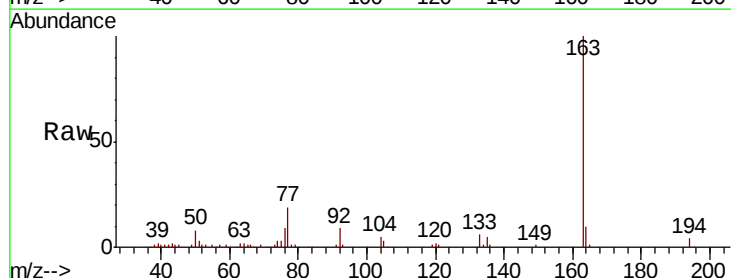
Delta R.T. -0.02 min

Lab File: BF108553.D

Acq: 28 Aug 2018 14:18

Tgt Ion:163 Resp: 80534

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	9.7	8.2	12.2

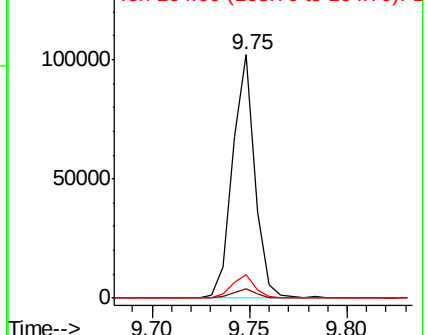
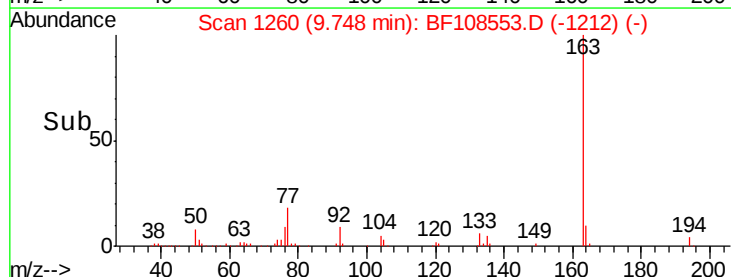


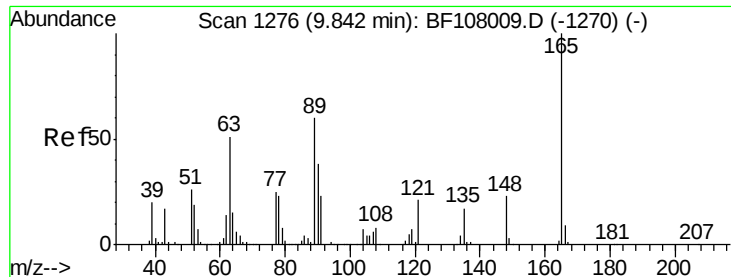
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

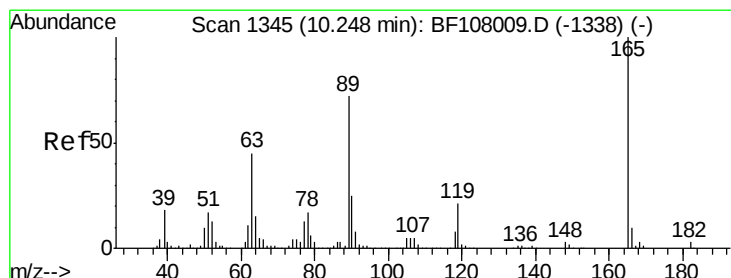
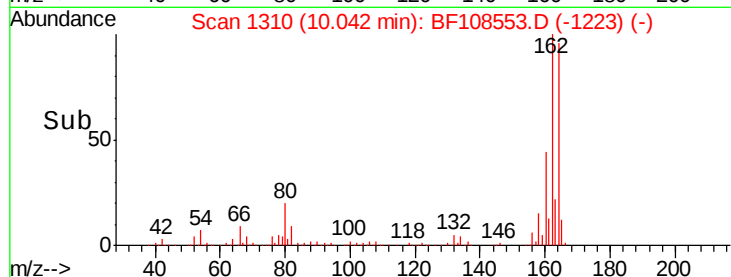
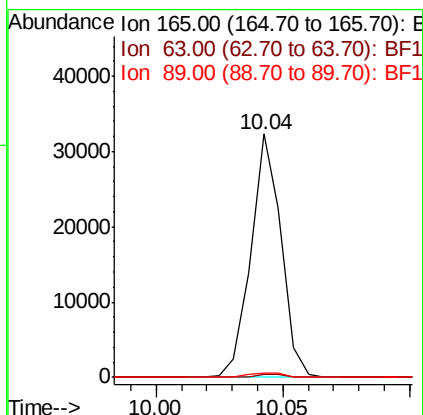
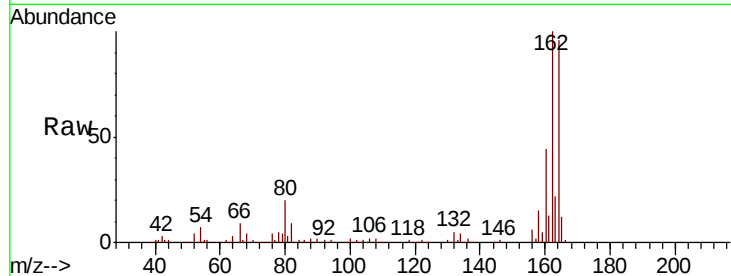




#50
 2,6-Dinitrotoluene
 Concen: 8.709 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108553.D
 Acq: 28 Aug 2018 14:18

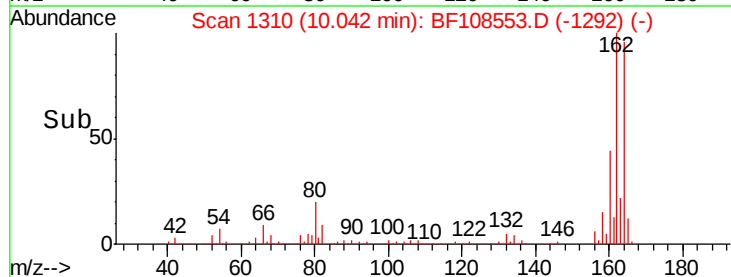
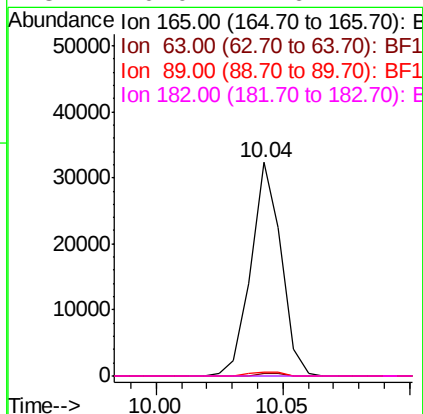
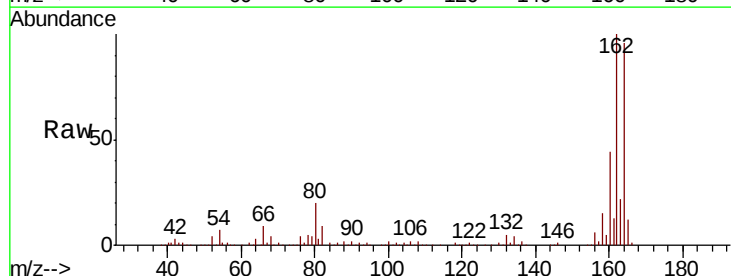
Instrument :
 BNA_F
 ClientSampleId :

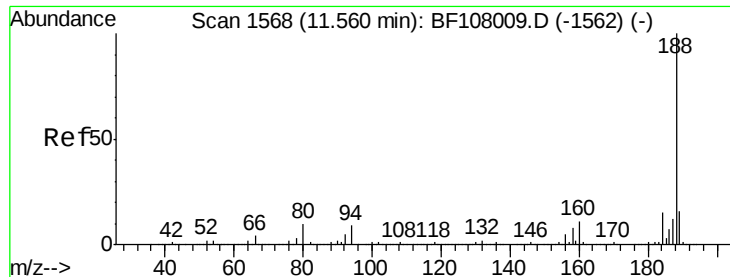
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.7	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.766 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108553.D
 Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

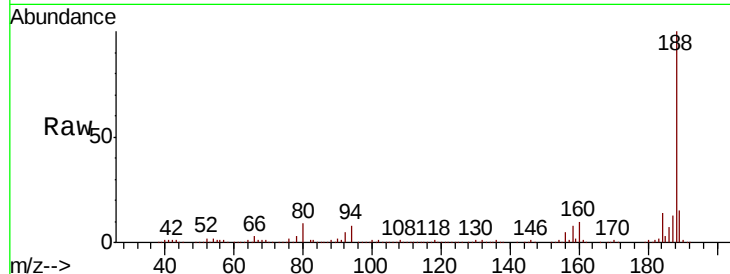




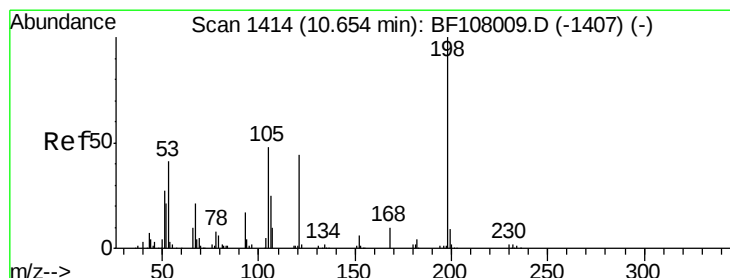
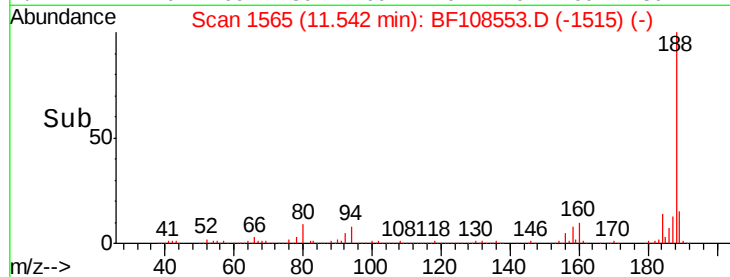
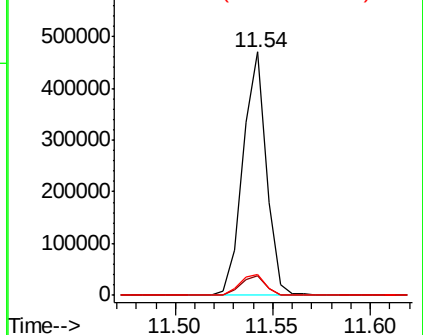
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108553.D
 Acq: 28 Aug 2018 14:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.0	8.5	12.7#
80	8.7	9.2	13.8#

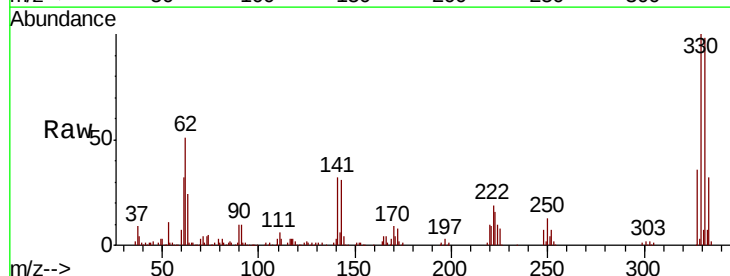


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

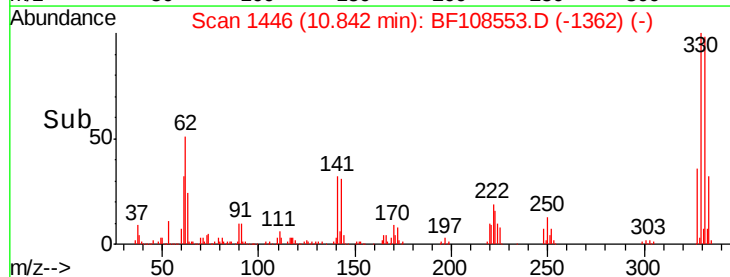
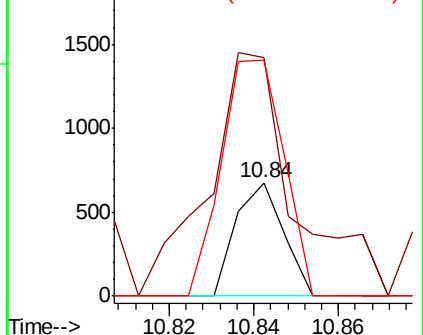


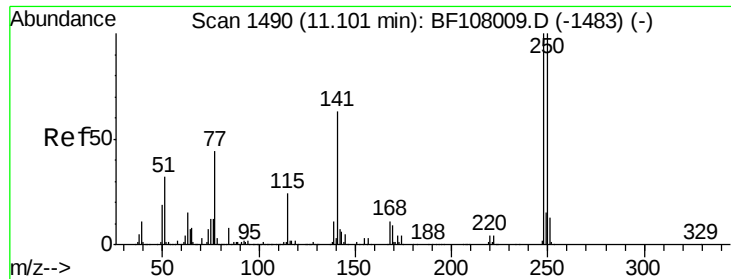
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.679 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. 0.19 min
 Lab File: BF108553.D
 Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
198	100		
51	210.7	37.7	77.7#
105	207.5	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

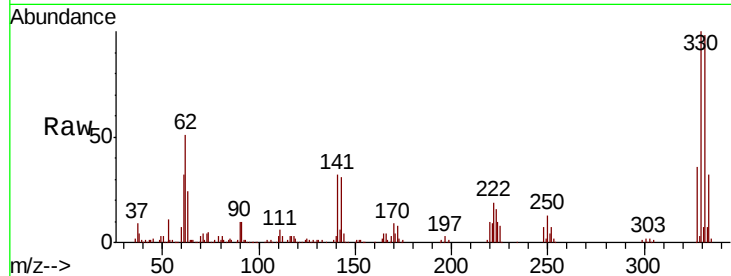




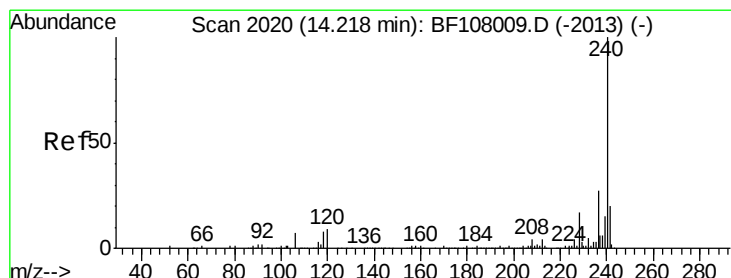
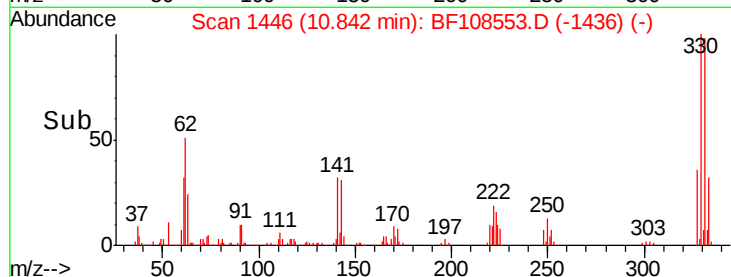
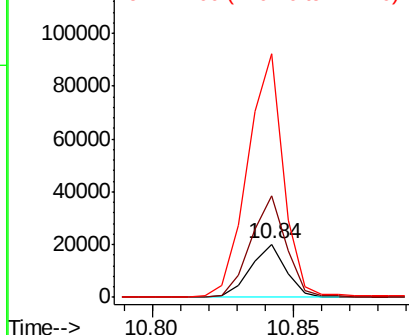
#66
4-Bromophenyl-phenylether
Concen: 4.065 ng
RT: 10.84 min Scan# 1446
Delta R.T. -0.24 min
Lab File: BF108553.D
Acq: 28 Aug 2018 14:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17271
Ion Ratio Lower Upper
248 100
250 190.4 76.9 115.3#
141 458.8 74.4 111.6#

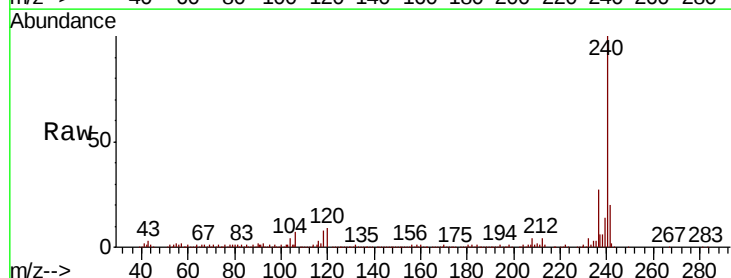


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

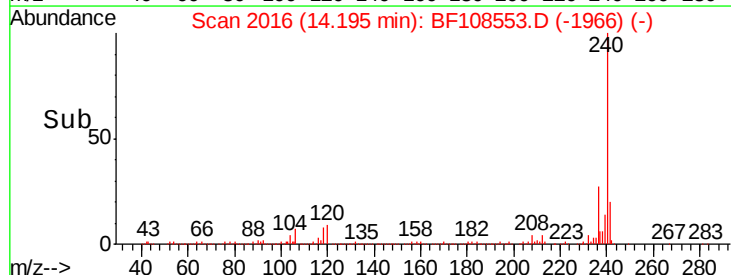
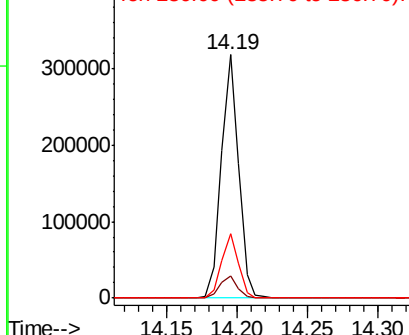


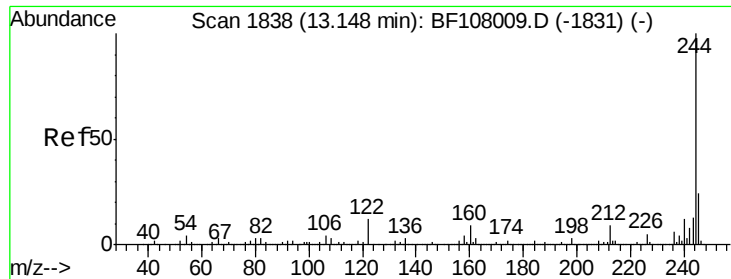
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108553.D
Acq: 28 Aug 2018 14:18

Tgt Ion:240 Resp: 271904
Ion Ratio Lower Upper
240 100
120 9.1 9.5 14.3#
236 26.7 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

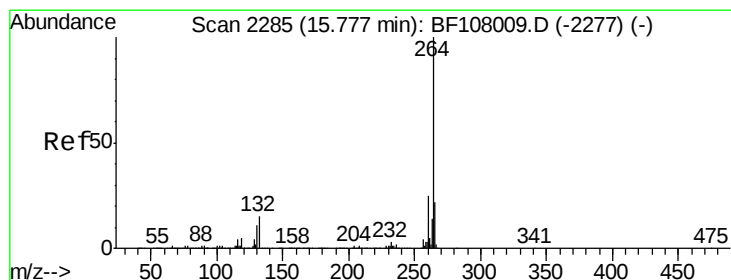
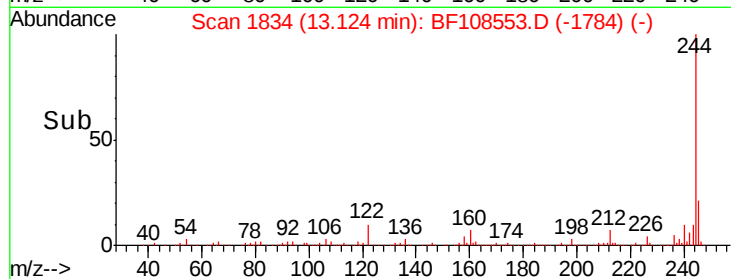
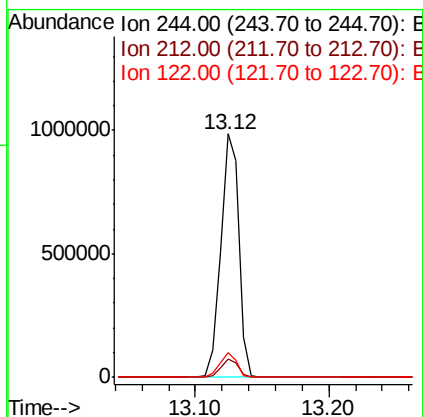
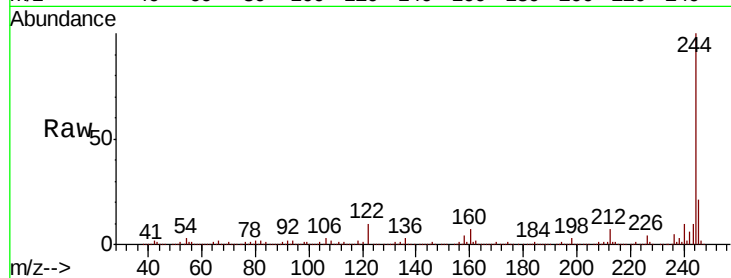




#78
 Terphenyl-d14
 Concen: 87.995 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF108553.D
 Acq: 28 Aug 2018 14:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 941028
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.0
 122 10.1 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.75 min Scan# 2281
 Delta R.T. -0.01 min
 Lab File: BF108553.D
 Acq: 28 Aug 2018 14:18

Tgt Ion:264 Resp: 274842
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.5 17.5 26.3

