

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111518\
 Data File : BF110794.D
 Acq On : 15 Nov 2018 17:55
 Operator : JU/SJ
 Sample : J5955-16
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 16 04:28:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

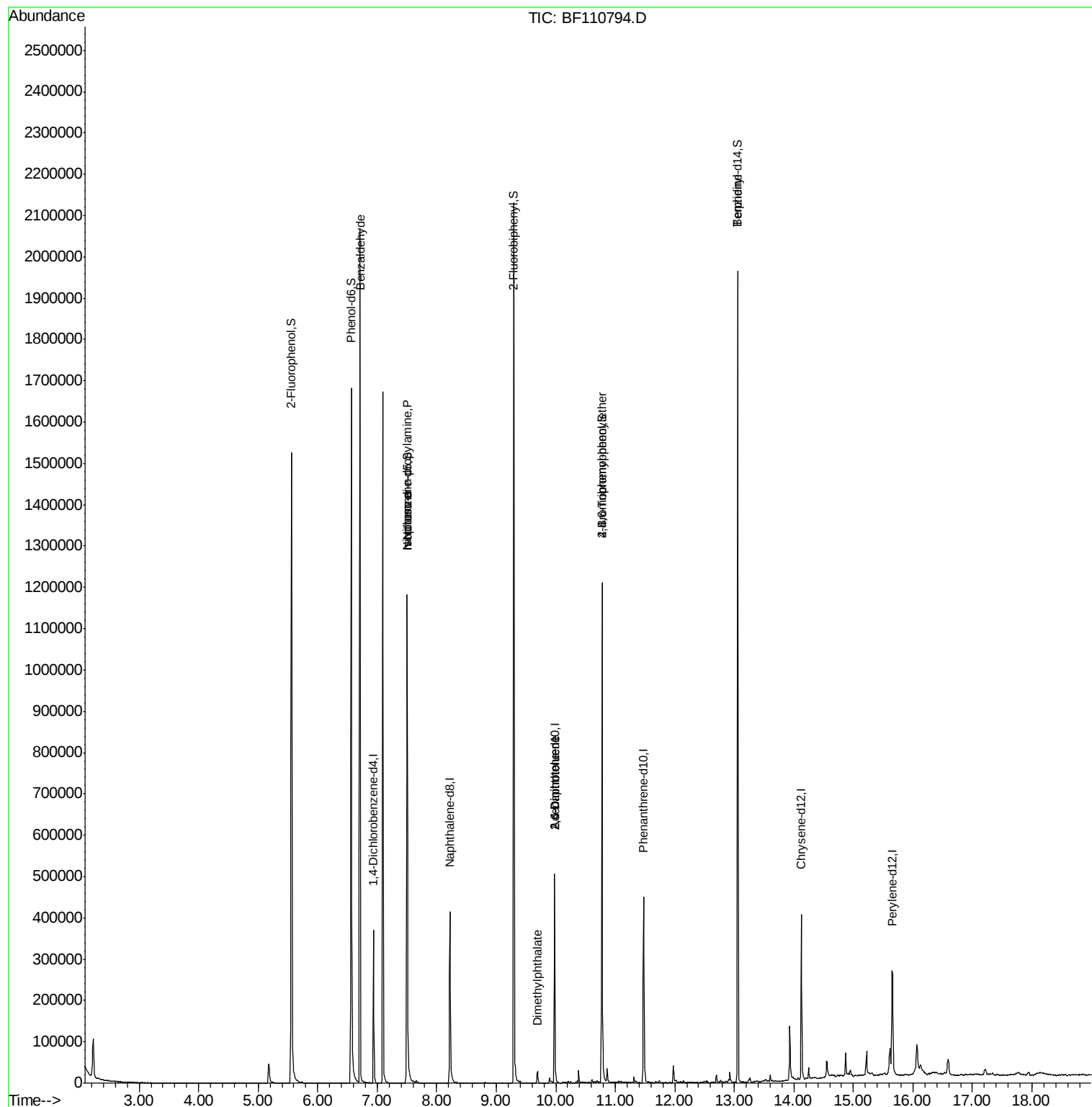
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	55548	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	220116	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	101483	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	178316	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	138142	20.00	ng	-0.01
87) Perylene-d12	15.65	264	128885	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	484063	141.55	ng	0.00
7) Phenol-d6	6.57	99	608439	139.13	ng	0.00
23) Nitrobenzene-d5	7.50	82	385534	100.87	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	142167	139.03	ng	-0.01
45) 2-Fluorobiphenyl	9.30	172	736393	103.63	ng	0.00
79) Terphenyl-d14	13.06	244	604920	82.01	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.71	77	11728	3.088	ng	80
19) n-Nitroso-di-n-propylamine	7.50	70	51395	18.411	ng	# 79
25) Isophorone	7.50	82	385531	61.542	ng	# 67
50) Dimethylphthalate	9.69	163	15527	2.050	ng	100
51) 2,6-Dinitrotoluene	9.98	165	12350	7.414	ng	# 21
57) 2,4-Dinitrotoluene	9.98	165	12350	5.702	ng	# 17
67) 4-Bromophenyl-phenylether	10.77	248	9304	4.721	ng	# 1
77) Benzidine	13.06	184	8489	2.235	ng	# 97

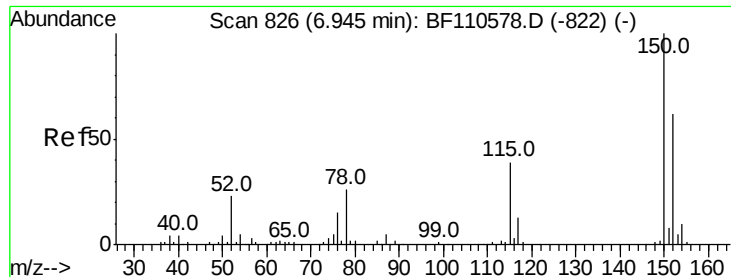
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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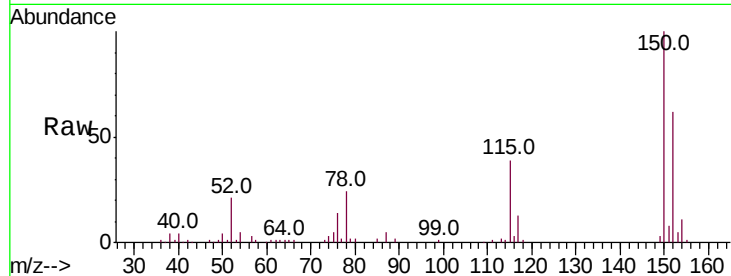


#1

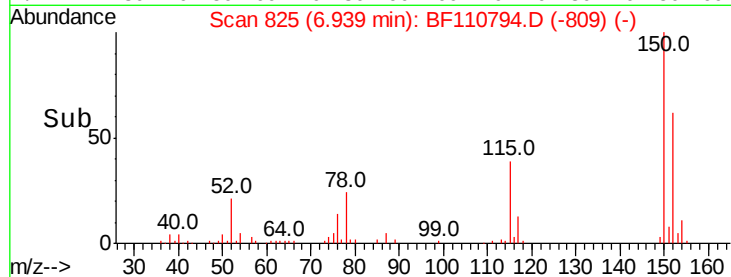
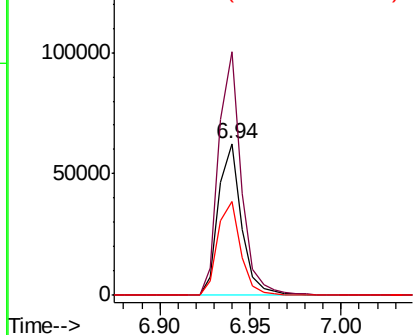
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110794.D
Acq: 15 Nov 2018 17:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 55548
Ion Ratio Lower Upper
152 100
150 160.7 122.7 184.1
115 62.3 49.1 73.7



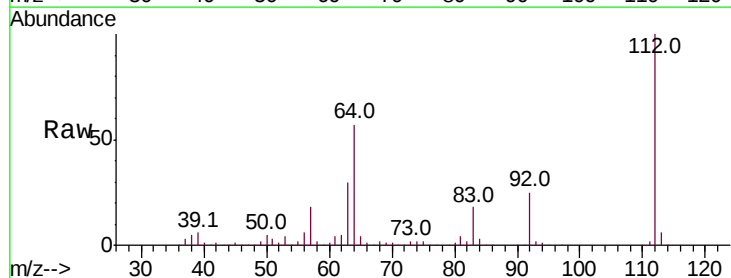
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



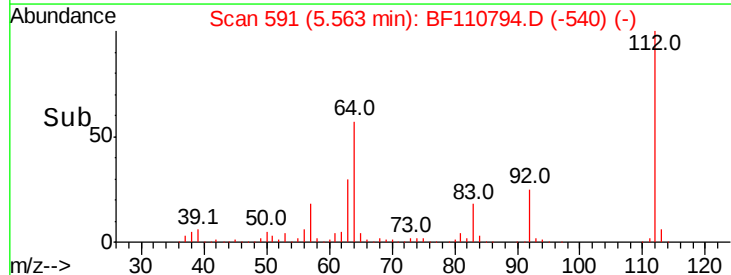
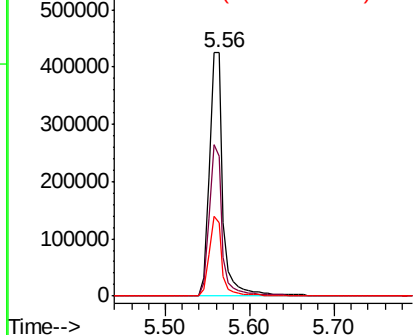
#5

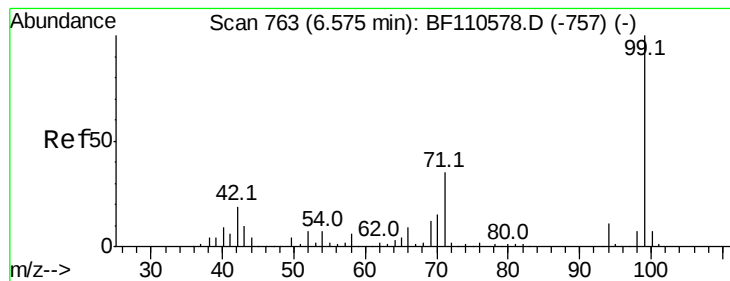
2-Fluorophenol
Concen: 141.548 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110794.D
Acq: 15 Nov 2018 17:55

Tgt Ion:112 Resp: 484063
Ion Ratio Lower Upper
112 100
64 57.3 44.1 66.1
63 30.2 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: 139.133 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110794.D

Acq: 15 Nov 2018 17:55

Instrument :

BNA_F

ClientSampleId :

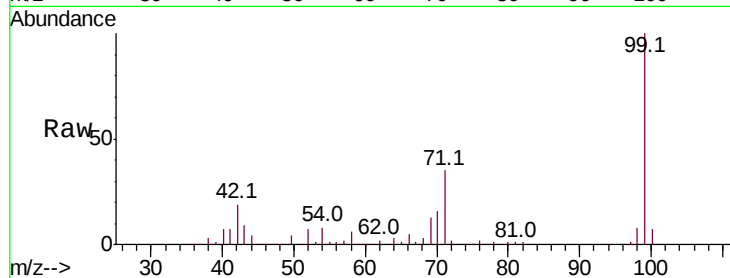
Tot Ion: 99 Resp: 608439

Ion Ratio Lower Upper

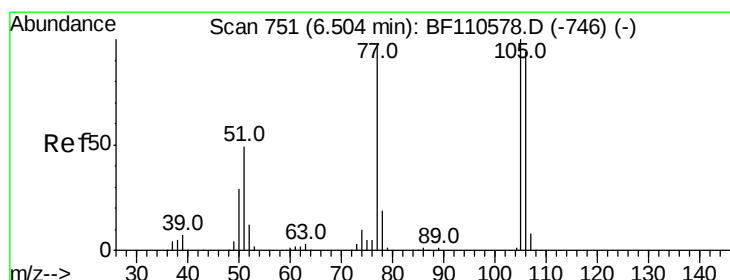
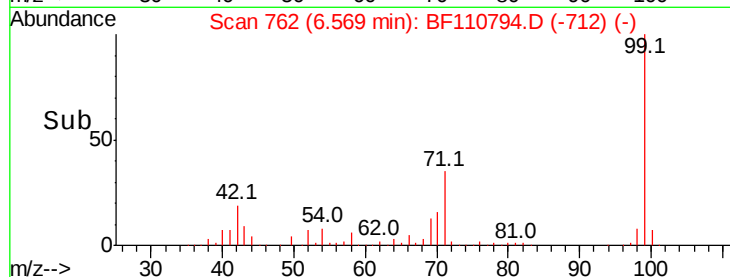
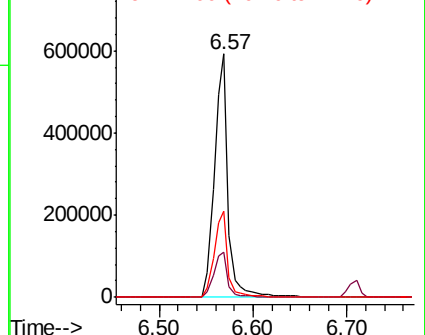
99 100

42 18.8 15.8 23.6

71 35.3 28.0 42.0



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: 3.088 ng

RT: 6.71 min Scan# 786

Delta R.T. 0.21 min

Lab File: BF110794.D

Acq: 15 Nov 2018 17:55

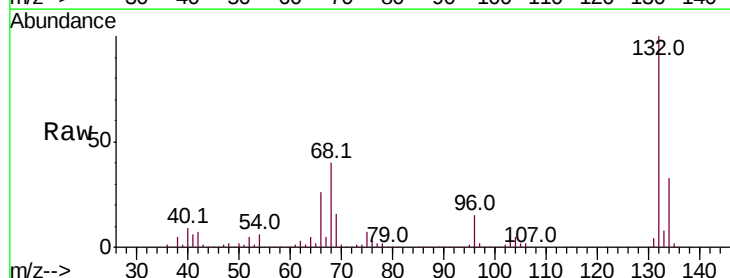
Tgt Ion: 77 Resp: 11728

Ion Ratio Lower Upper

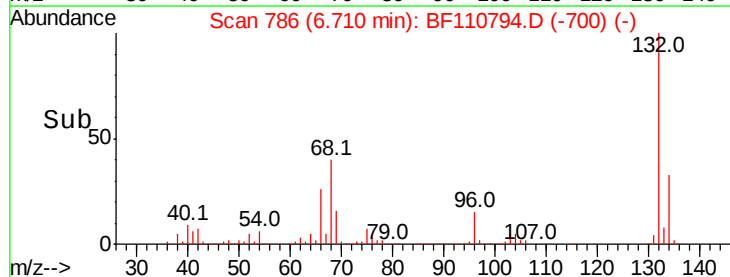
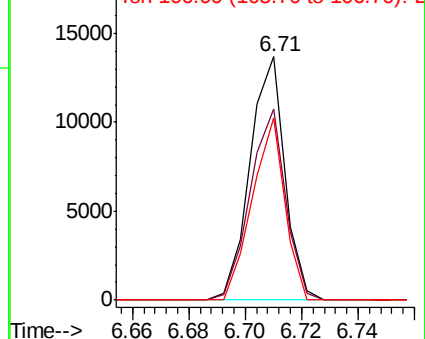
77 100

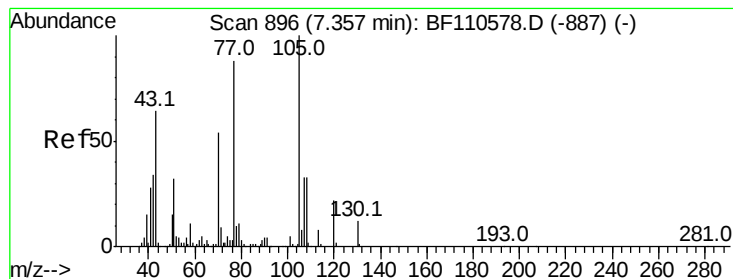
105 78.6 78.6 118.6

106 74.9 74.8 114.8



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: 18.411 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.15 min

Lab File: BF110794.D

Acq: 15 Nov 2018 17:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 51395

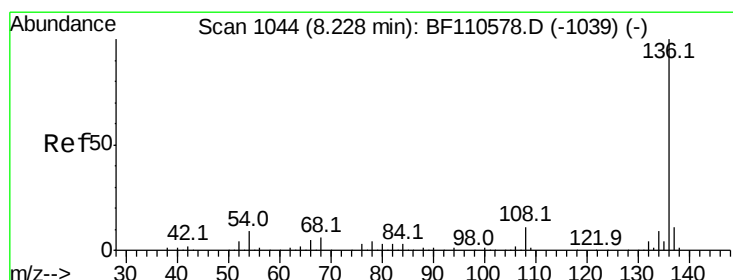
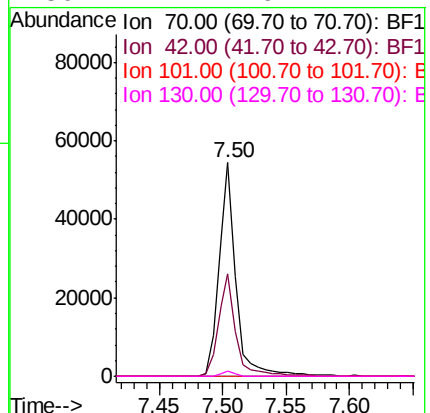
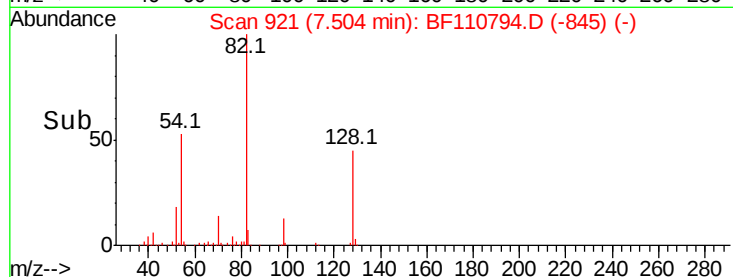
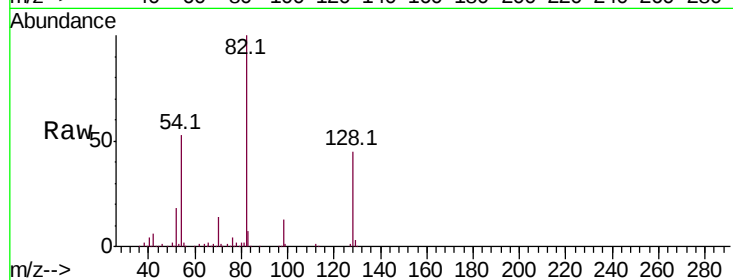
Ion Ratio Lower Upper

70 100

42 47.9 47.4 71.2

101 0.0 7.3 10.9#

130 2.7 16.2 24.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110794.D

Acq: 15 Nov 2018 17:55

Tgt Ion: 136 Resp: 220116

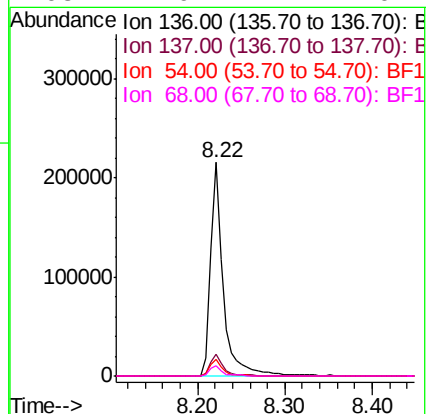
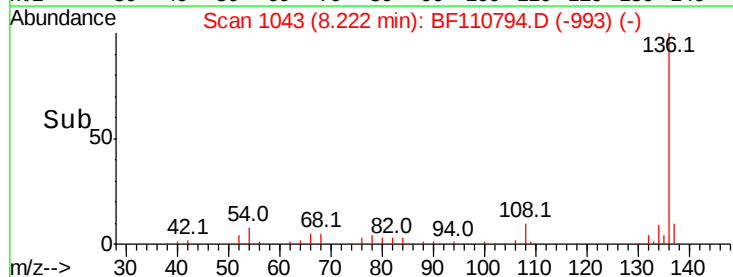
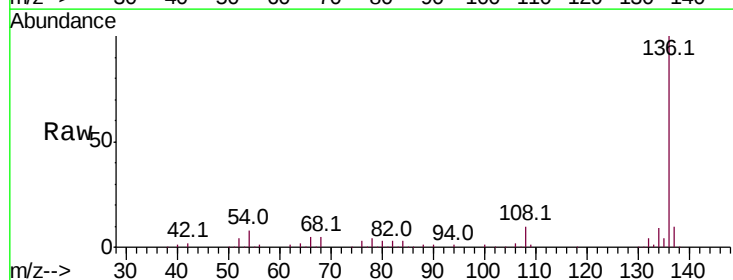
Ion Ratio Lower Upper

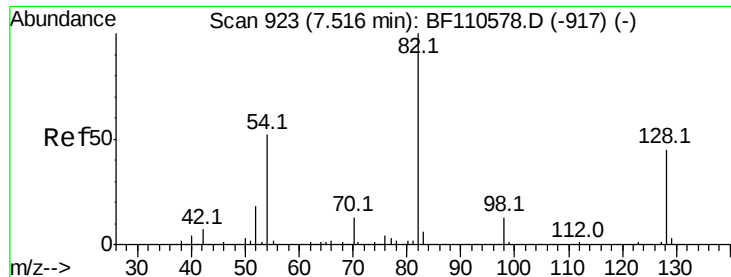
136 100

137 10.5 8.8 13.2

54 7.6 5.4 8.2

68 4.9 4.2 6.2

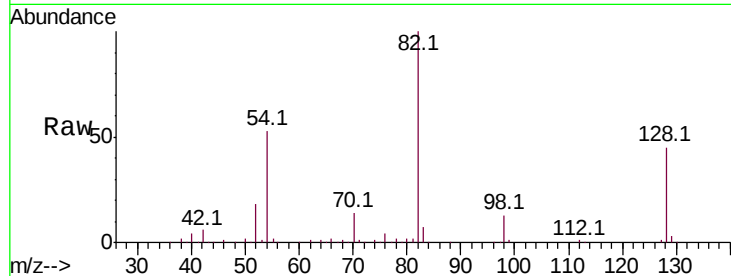




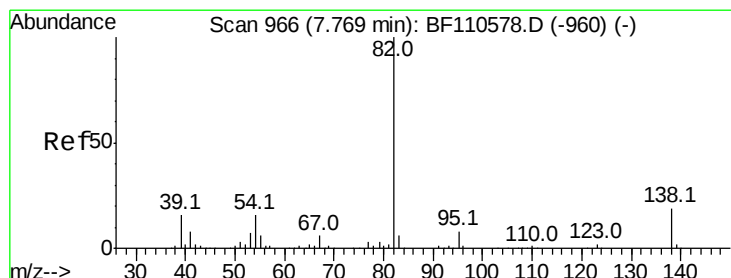
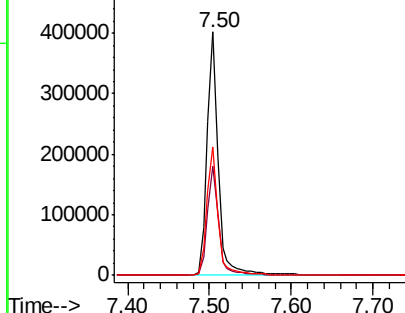
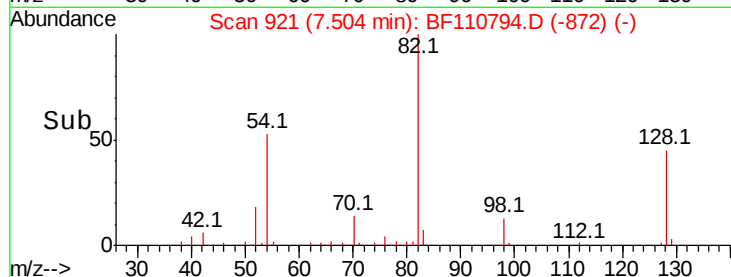
#23
 Nitrobenzene-d5
 Concen: 100.868 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: BF110794.D
 Acq: 15 Nov 2018 17:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	385534
Ion Ratio	Lower	Upper	
82	100		
128	45.0	34.2	51.2
54	52.6	38.6	58.0

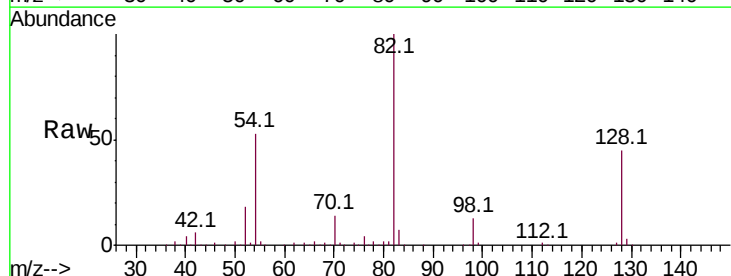


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

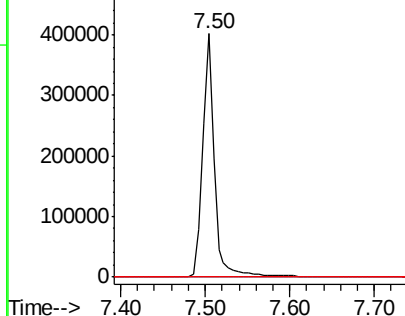
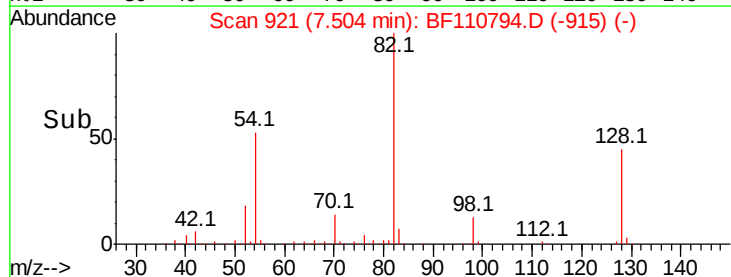


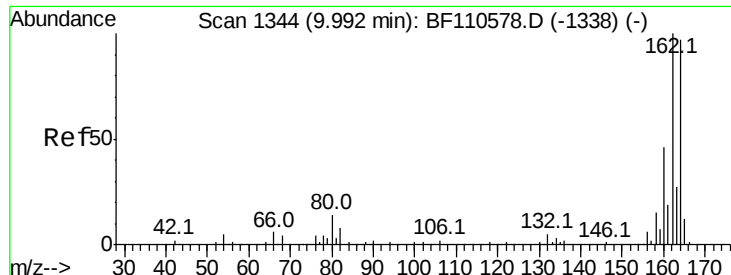
#25
 Isophorone
 Concen: 61.542 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.26 min
 Lab File: BF110794.D
 Acq: 15 Nov 2018 17:55

Tgt Ion	82	Resp	385531
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#



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

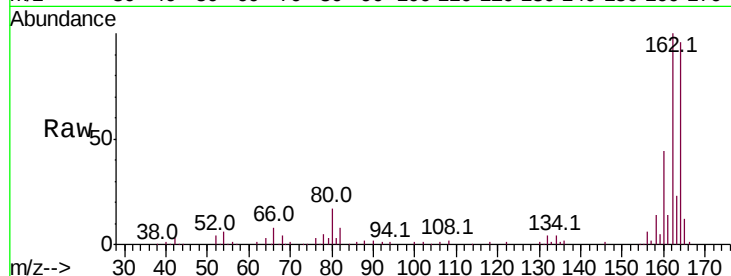




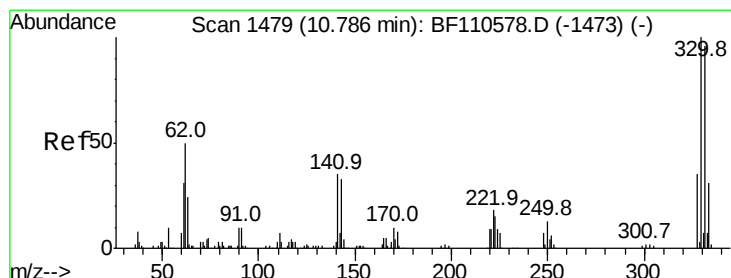
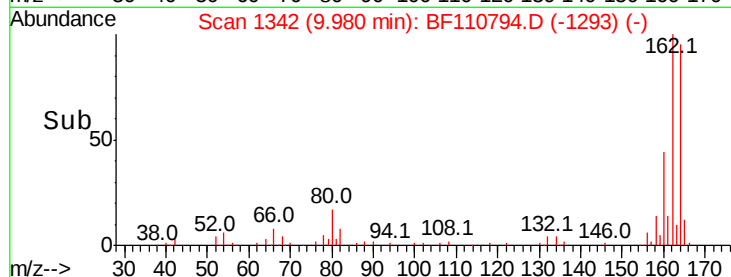
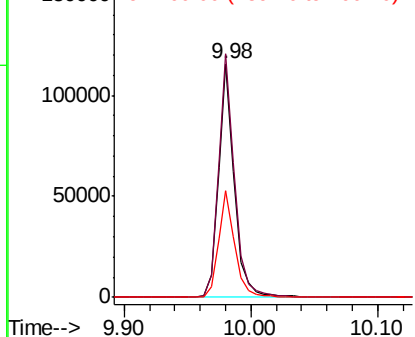
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110794.D
Acq: 15 Nov 2018 17:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 101483
Ion Ratio Lower Upper
164 100
162 104.3 83.0 124.6
160 45.4 37.0 55.6

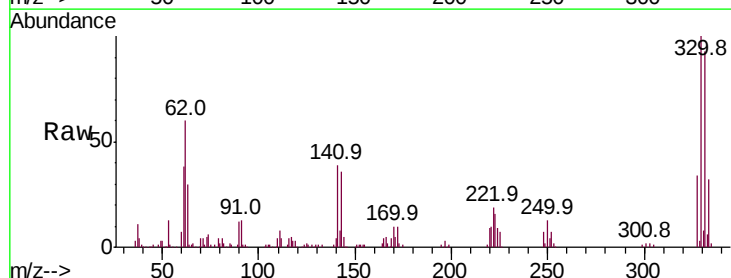


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

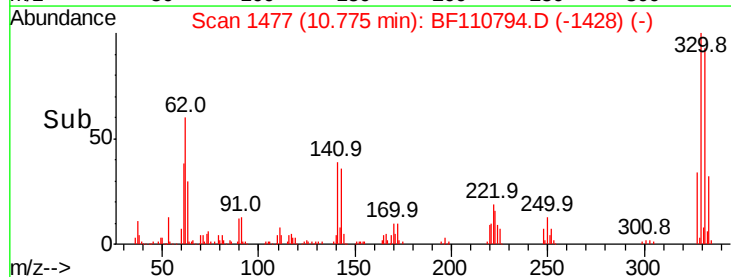
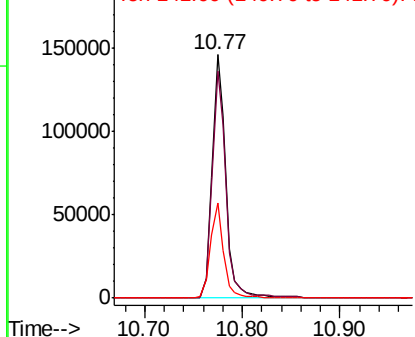


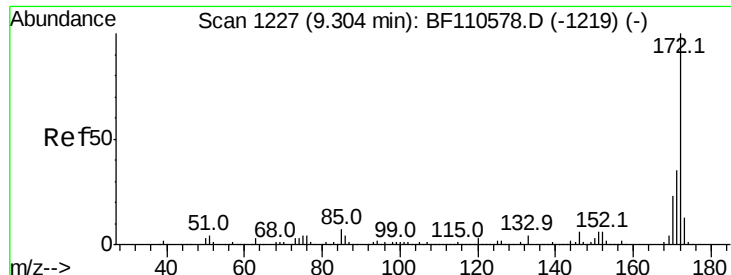
#42
2,4,6-Tribromophenol
Concen: 139.029 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF110794.D
Acq: 15 Nov 2018 17:55

Tgt Ion:330 Resp: 142167
Ion Ratio Lower Upper
330 100
332 94.2 77.1 115.7
141 37.7 27.0 40.4



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

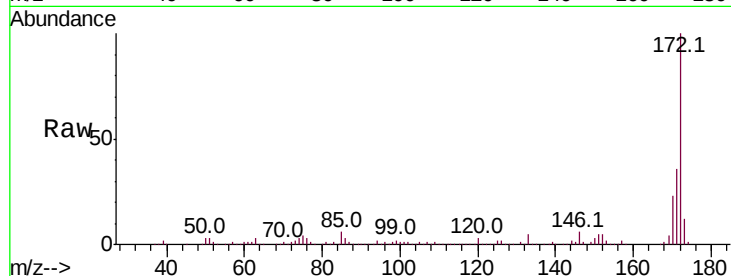




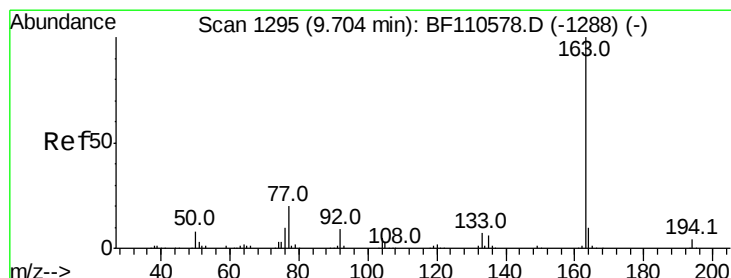
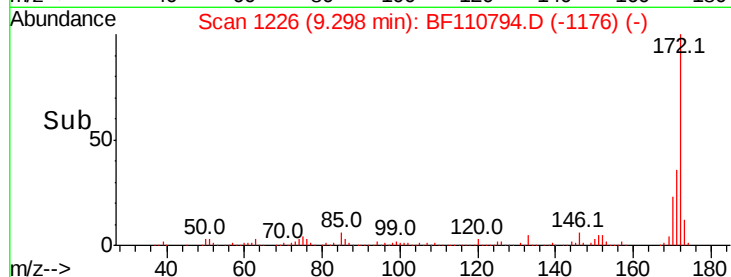
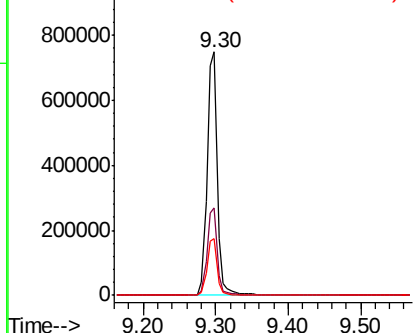
#45
2-Fluorobiphenyl
Concen: 103.633 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110794.D
Acq: 15 Nov 2018 17:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 736393
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 23.2 19.7 29.5

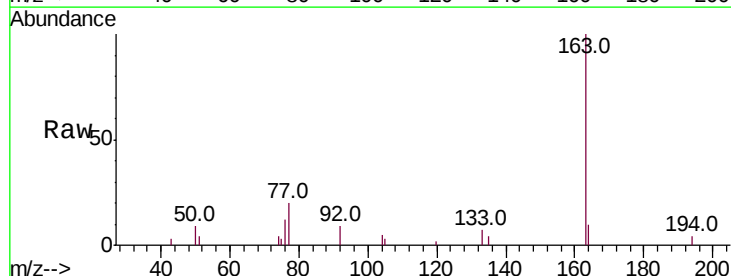


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

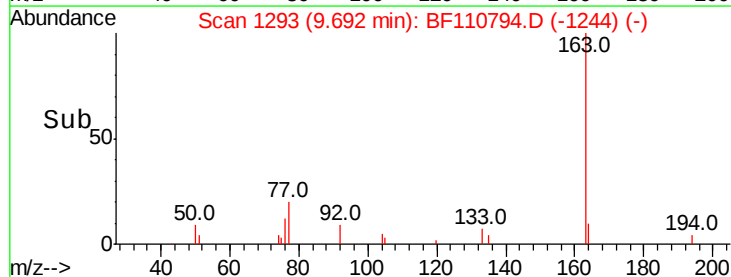
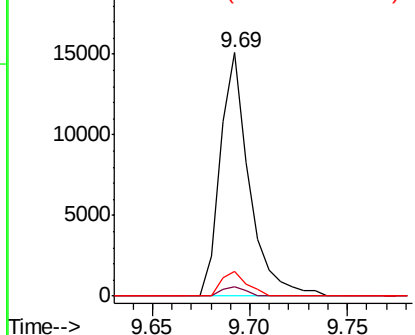


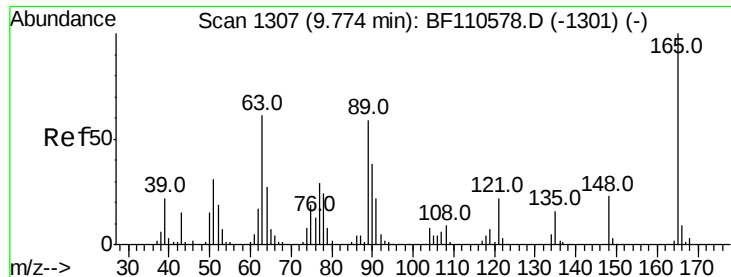
#50
Dimethylphthalate
Concen: 2.050 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110794.D
Acq: 15 Nov 2018 17:55

Tgt Ion:163 Resp: 15527
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 10.1 8.1 12.1



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

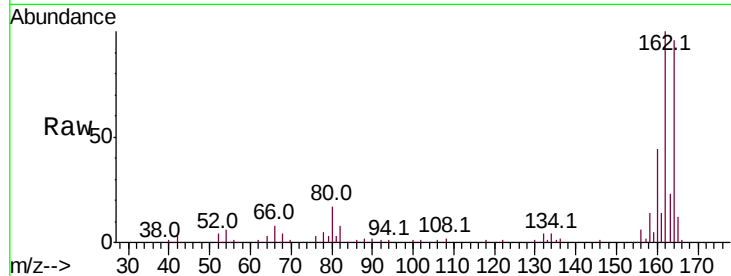




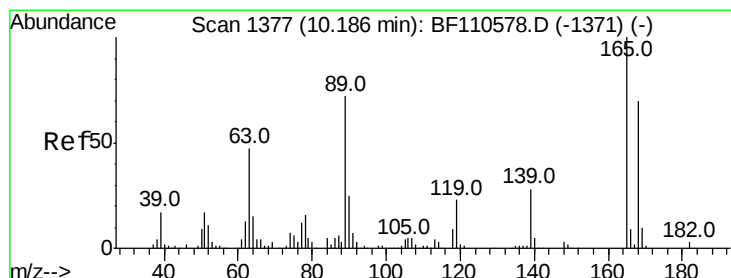
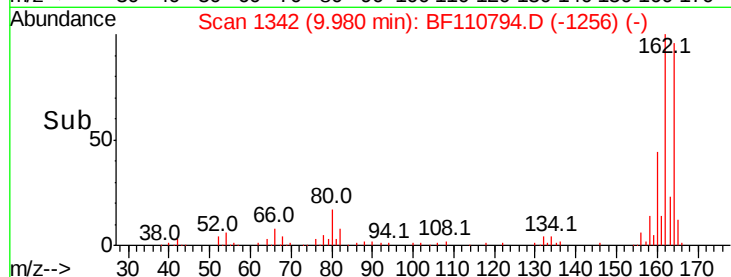
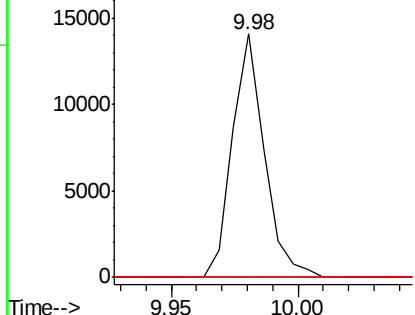
#51
 2,6-Dinitrotoluene
 Concen: 7.414 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.21 min
 Lab File: BF110794.D
 Acq: 15 Nov 2018 17:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	12350
Ion Ratio	Lower	Upper	
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#

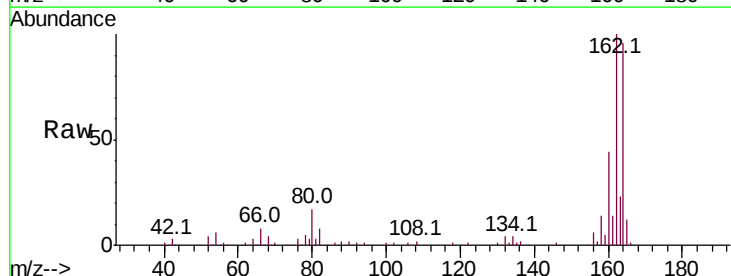


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

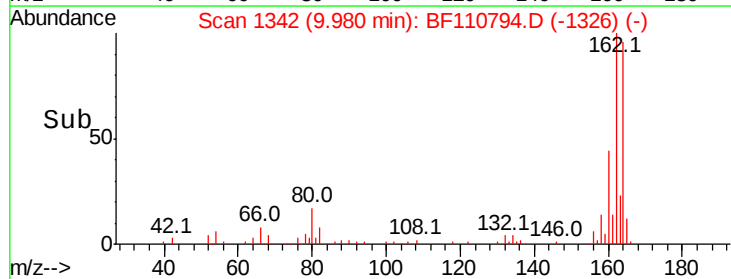
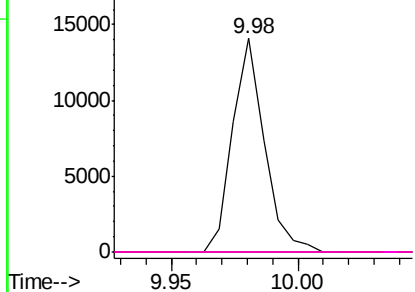


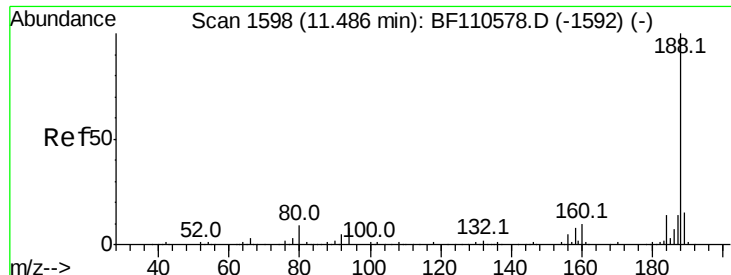
#57
 2,4-Dinitrotoluene
 Concen: 5.702 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF110794.D
 Acq: 15 Nov 2018 17:55

Tgt Ion:	165	Resp:	12350
Ion Ratio	Lower	Upper	
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#



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

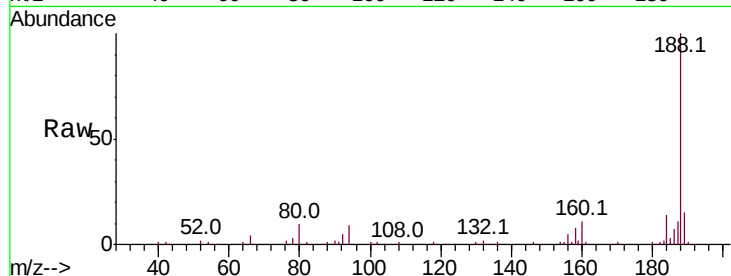




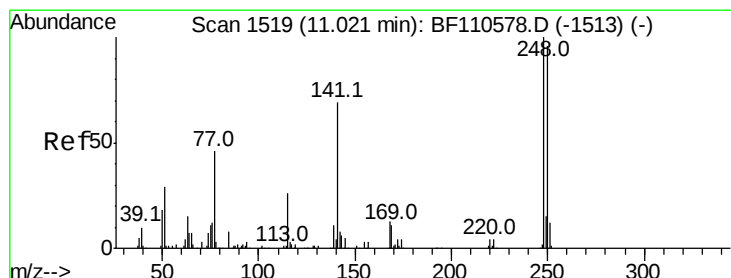
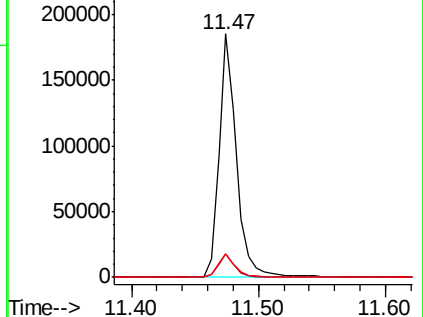
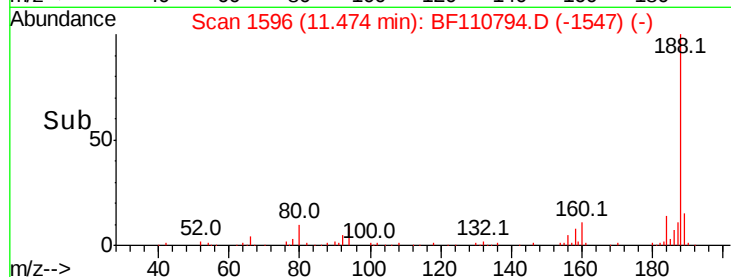
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF110794.D
Acq: 15 Nov 2018 17:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 178316
Ion Ratio Lower Upper
188 100
94 9.4 7.2 10.8
80 9.5 7.9 11.9

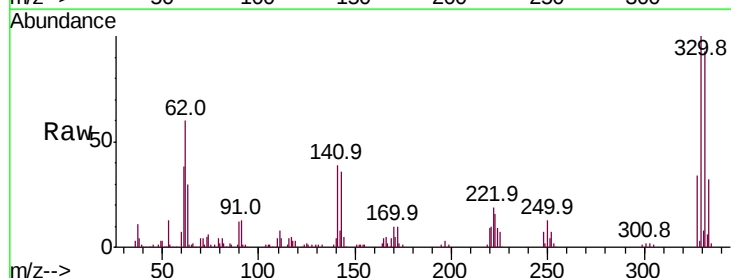


Abundance Ion 188.00 (187.70 to 188.70): E
250000
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

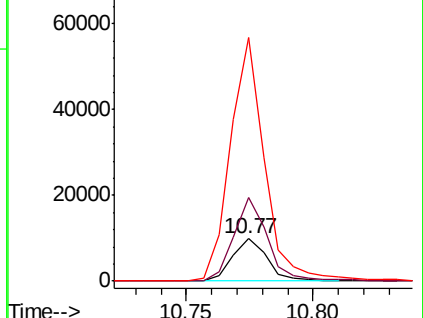
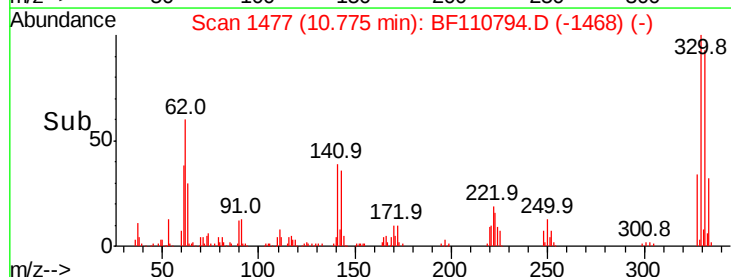


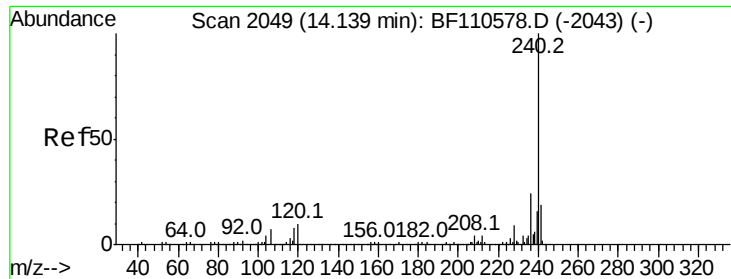
#67
4-Bromophenyl-phenylether
Concen: 4.721 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.25 min
Lab File: BF110794.D
Acq: 15 Nov 2018 17:55

Tgt Ion:248 Resp: 9304
Ion Ratio Lower Upper
248 100
250 197.6 79.4 119.2#
141 577.2 55.9 83.9#



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF110794.D

Acq: 15 Nov 2018 17:55

Instrument :

BNA_F

ClientSampleId :

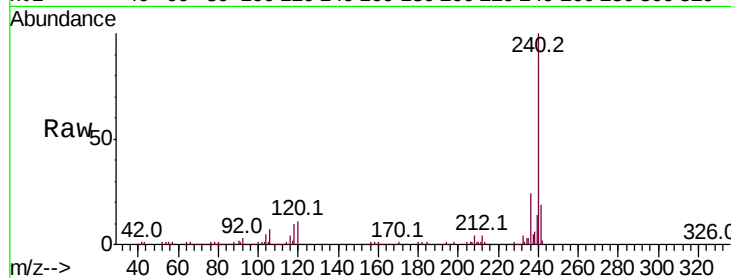
Tot Ion:240 Resp: 138142

Ion Ratio Lower Upper

240 100

120 10.8 8.3 12.5

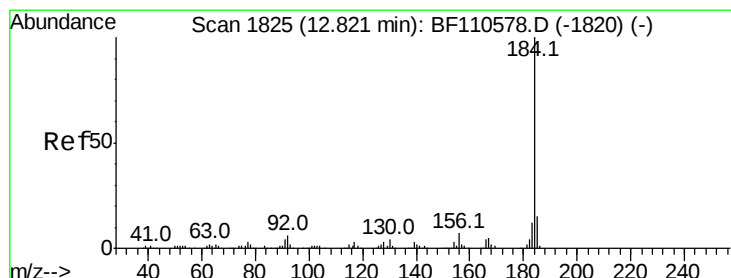
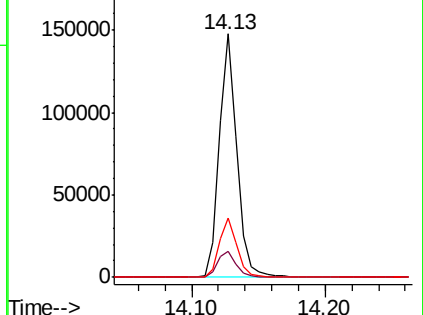
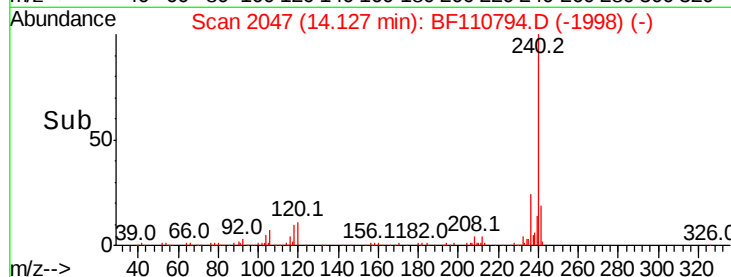
236 24.5 21.2 31.8



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



#77

Benzidine

Concen: 2.235 ng

RT: 13.06 min Scan# 1865

Delta R.T. 0.24 min

Lab File: BF110794.D

Acq: 15 Nov 2018 17:55

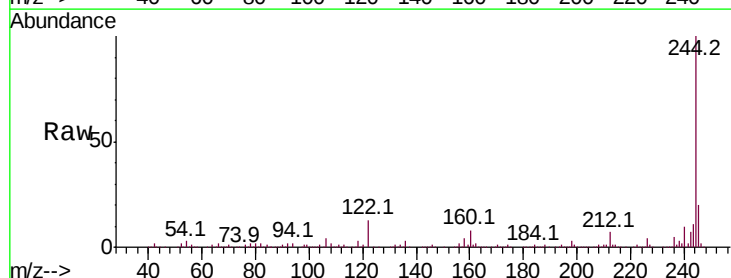
Tgt Ion:184 Resp: 8489

Ion Ratio Lower Upper

184 100

185 17.3 13.4 20.2

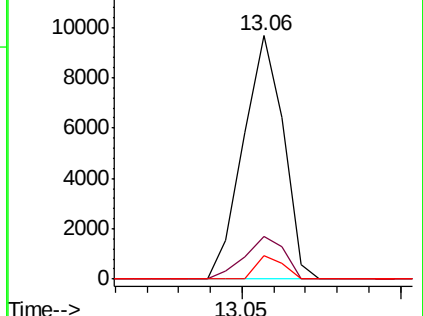
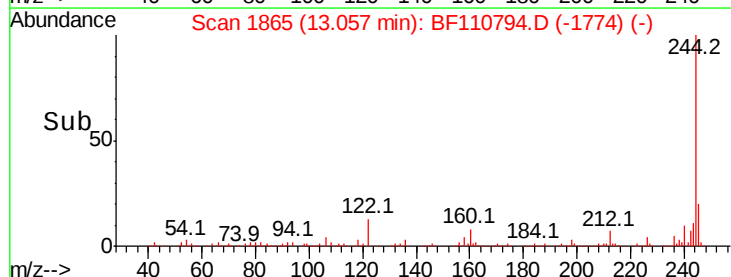
183 9.4 9.4 14.2#

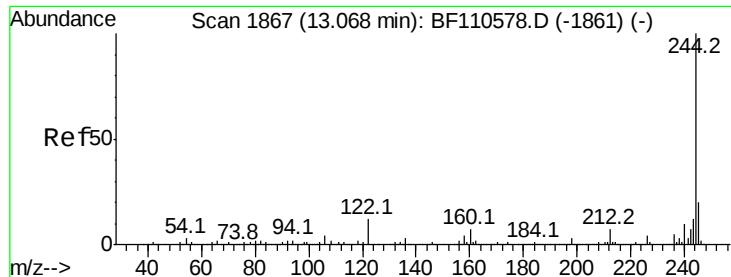


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

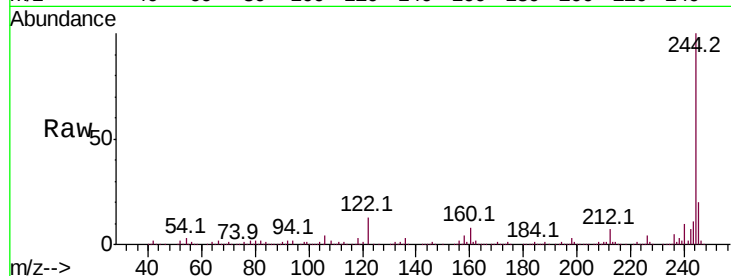




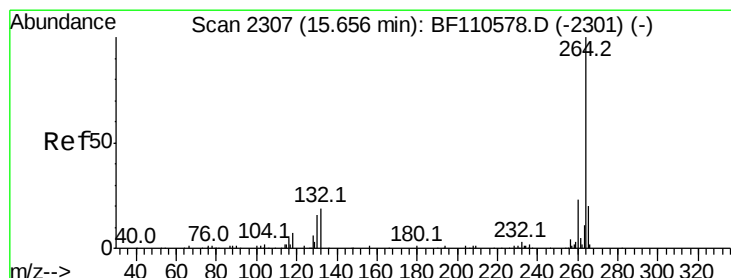
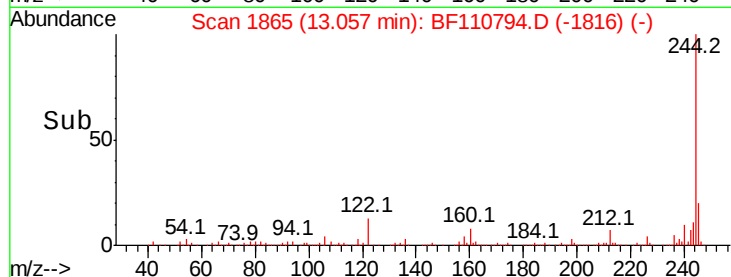
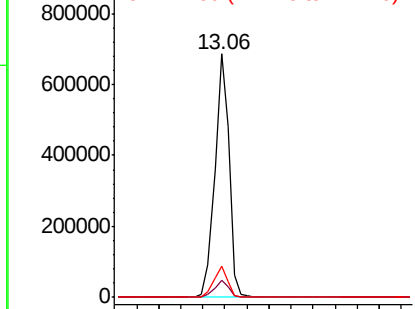
#79
 Terphenyl-d14
 Concen: 82.008 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BF110794.D
 Acq: 15 Nov 2018 17:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 604920
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 13.0 8.7 13.1

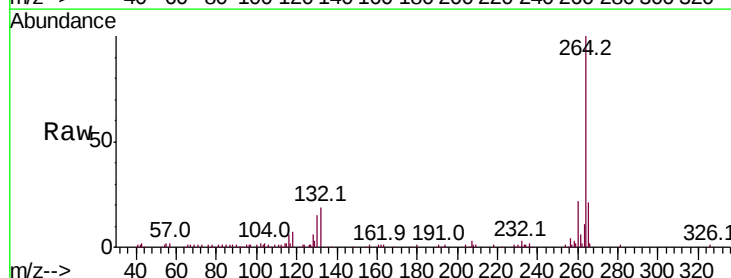


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.65 min Scan# 2306
 Delta R.T. -0.01 min
 Lab File: BF110794.D
 Acq: 15 Nov 2018 17:55

Tgt Ion:264 Resp: 128885
 Ion Ratio Lower Upper
 264 100
 260 21.8 18.7 28.1
 265 21.1 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

