

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110818\
 Data File : BF110597.D
 Acq On : 8 Nov 2018 20:53
 Operator : JU/SJ
 Sample : J5851-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 09 08:42:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 08 14:14:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	73039	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	305525	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	146689	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	299331	20.00	ng	0.00
76) Chrysene-d12	14.13	240	244498	20.00	ng	-0.01
87) Perylene-d12	15.65	264	157210	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	190530	42.37	ng	0.00
7) Phenol-d6	6.56	99	144837	25.19	ng	-0.01
23) Nitrobenzene-d5	7.51	82	552232	104.09	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	133003	89.98	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	1050205	102.25	ng	0.00
79) Terphenyl-d14	13.06	244	1027220	78.68	ng	0.00

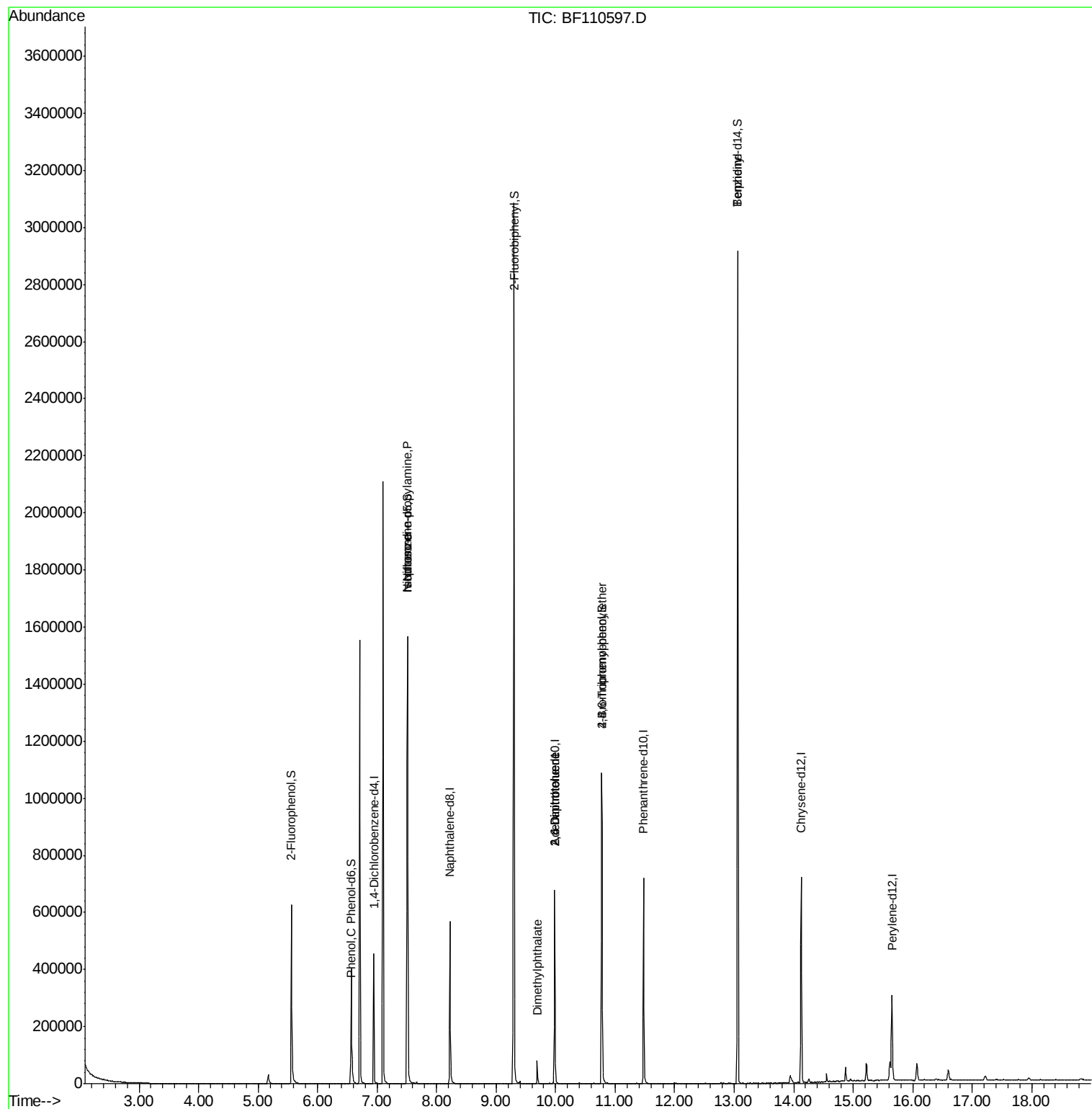
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.57	94	28572	4.29	ng	# 68
19) n-Nitroso-di-n-propylamine	7.51	70	72839	19.84	ng	# 79
25) Isophorone	7.51	82	552228	63.51	ng	# 67
50) Dimethylphthalate	9.69	163	38836	3.55	ng	# 99
51) 2,6-Dinitrotoluene	9.99	165	18844	7.83	ng	# 22
57) 2,4-Dinitrotoluene	9.99	165	18844	6.02	ng	# 18
67) 4-Bromophenyl-phenylether	10.77	248	9122	2.76	ng	# 1
77) Benzidine	13.06	184	13718	2.04	ng	# 95

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

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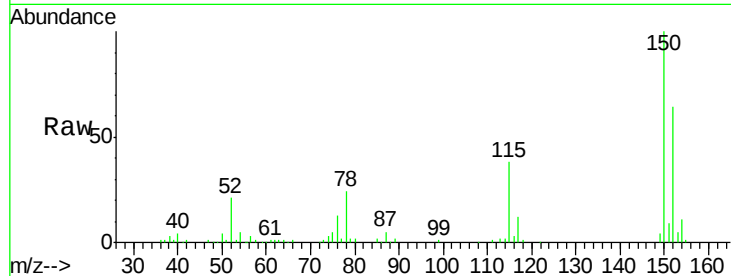


#1

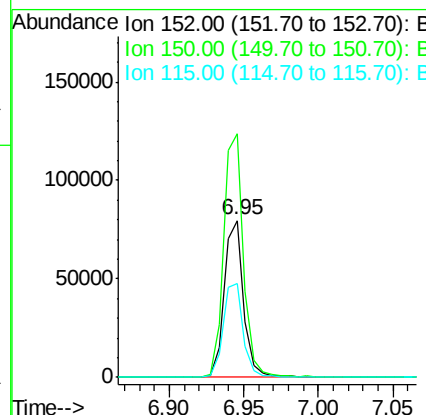
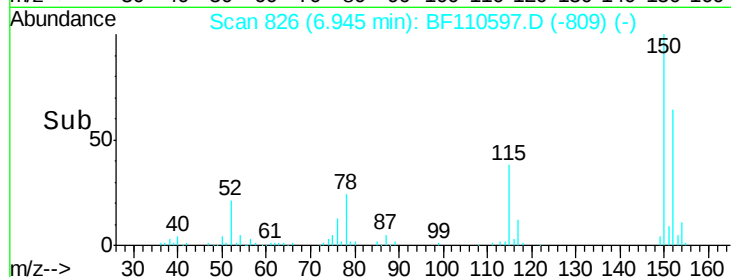
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.95 min Scan# 826
Delta R.T. -0.00 min
Lab File: BF110597.D
Acq: 8 Nov 2018 20:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 73039
Ion Ratio Lower Upper
152 100
150 155.4 122.7 184.1
115 59.5 49.1 73.7



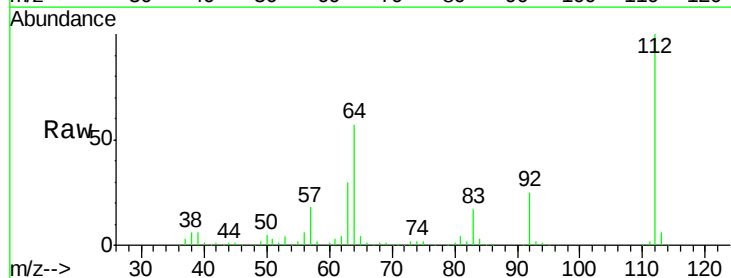
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



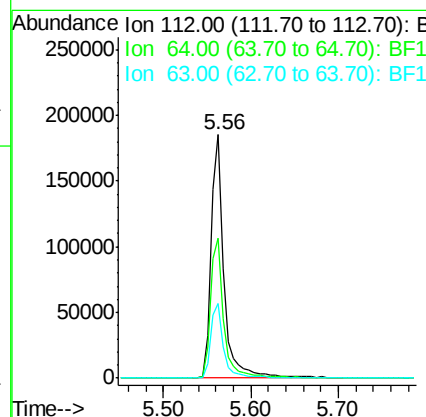
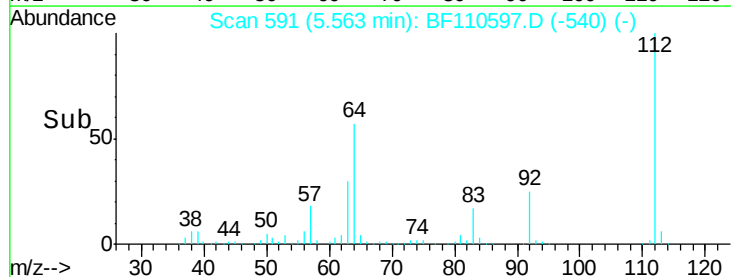
#5

2-Fluorophenol
Concen: 42.37 ng
RT: 5.56 min Scan# 591
Delta R.T. -0.00 min
Lab File: BF110597.D
Acq: 8 Nov 2018 20:53

Tgt Ion:112 Resp: 190530
Ion Ratio Lower Upper
112 100
64 57.4 44.1 66.1
63 30.5 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: 25.19 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110597.D

Acq: 8 Nov 2018 20:53

Instrument :

BNA_F

ClientSampleId :

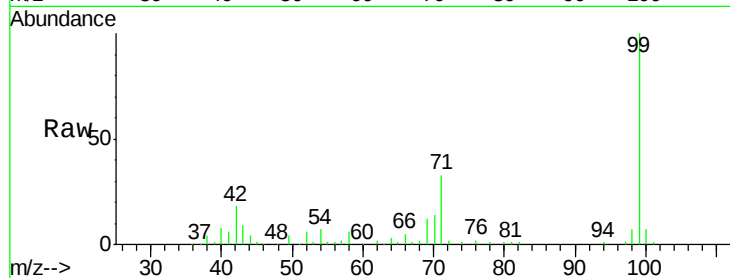
Tot Ion: 99 Resp: 144837

Ion Ratio Lower Upper

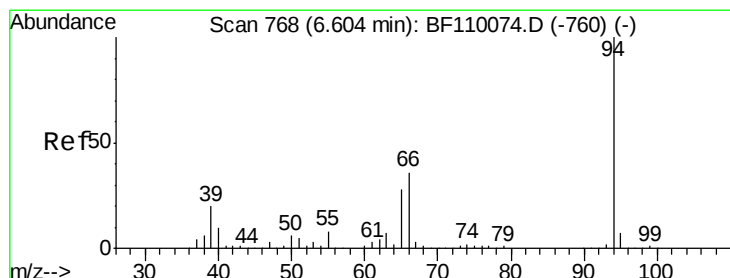
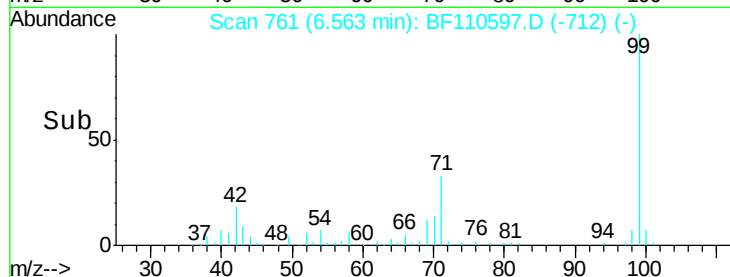
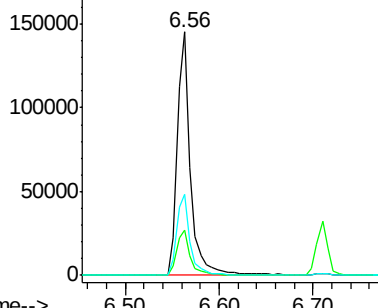
99 100

42 18.3 15.8 23.6

71 33.4 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



#10

Phenol

Concen: 4.29 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110597.D

Acq: 8 Nov 2018 20:53

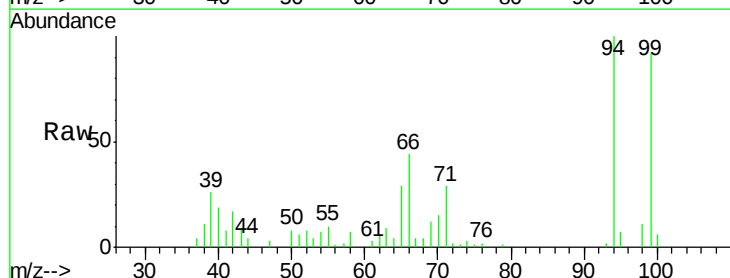
Tgt Ion: 94 Resp: 28572

Ion Ratio Lower Upper

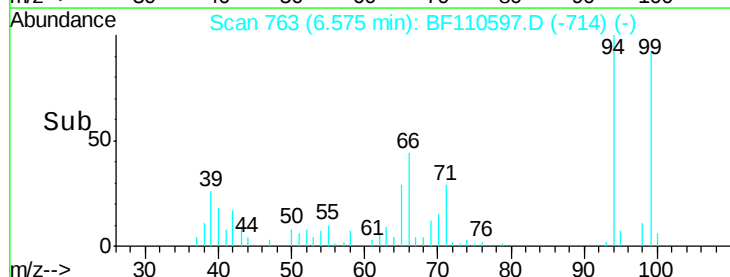
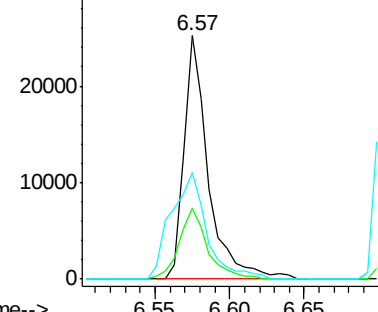
94 100

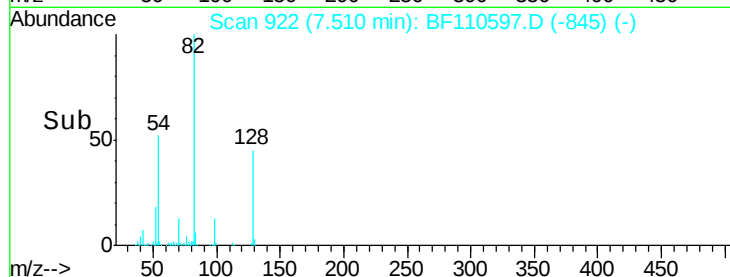
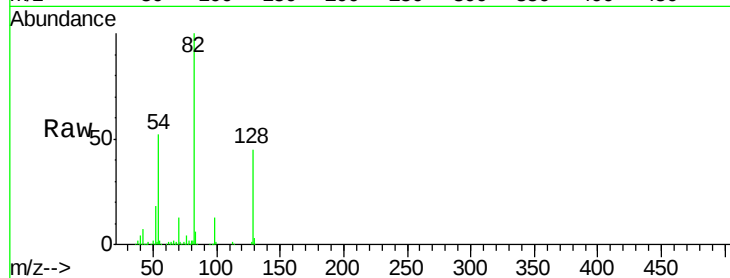
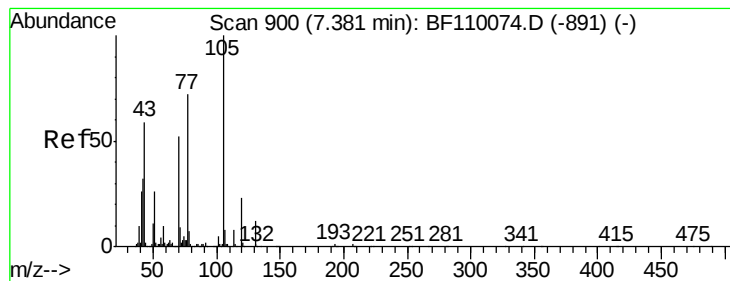
65 29.2 25.3 65.3

66 43.7 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 19.84 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110597.D

Acq: 8 Nov 2018 20:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 72839

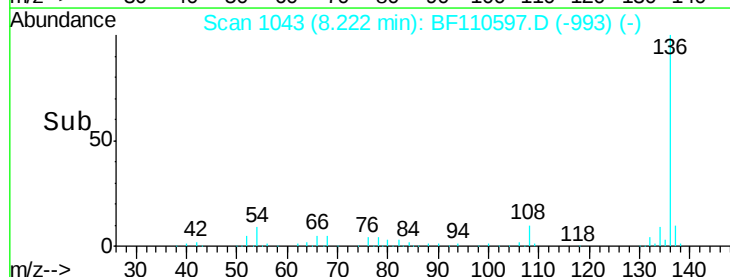
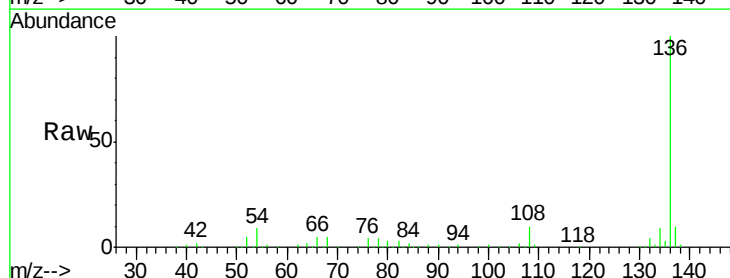
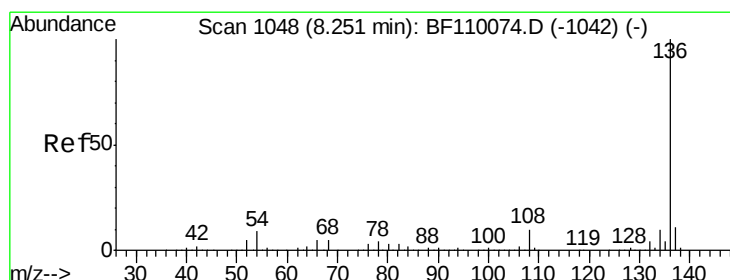
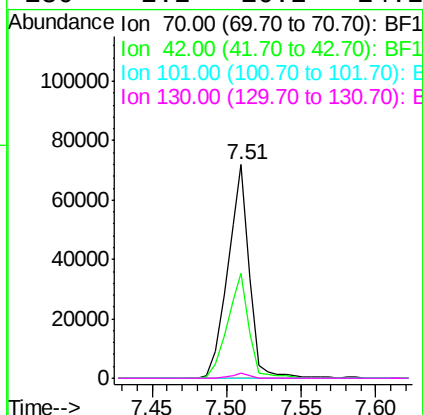
Ion Ratio Lower Upper

70 100

42 49.1 47.4 71.2

101 0.0 7.3 10.9#

130 2.2 16.2 24.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110597.D

Acq: 8 Nov 2018 20:53

Tgt Ion: 136 Resp: 305525

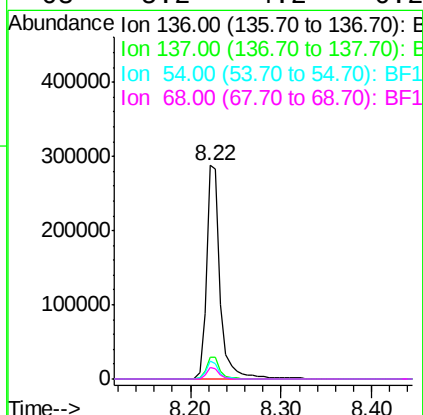
Ion Ratio Lower Upper

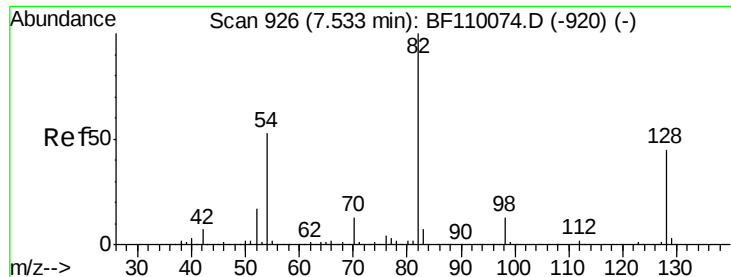
136 100

137 10.4 8.8 13.2

54 8.7 5.4 8.2#

68 5.2 4.2 6.2

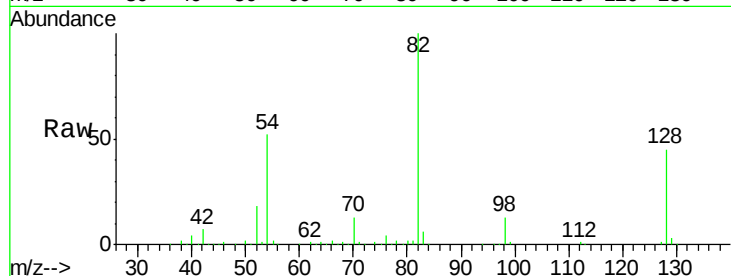




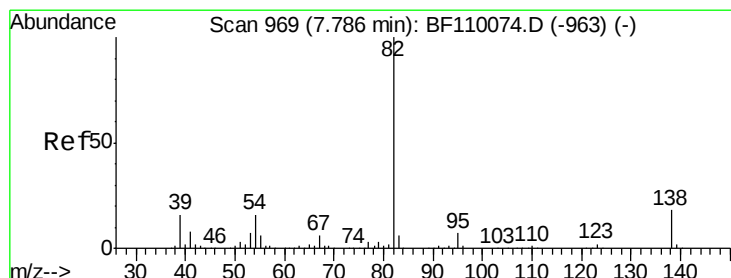
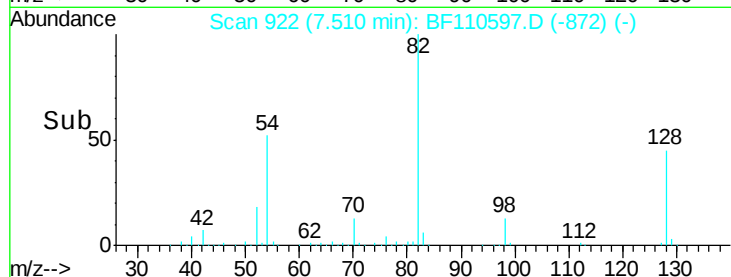
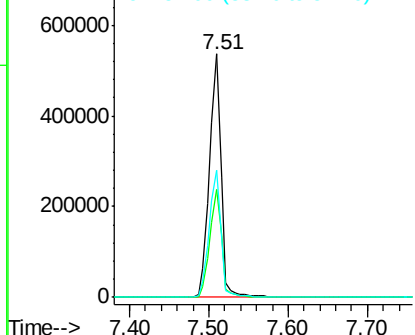
#23
Nitrobenzene-d5
Concen: 104.09 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110597.D
Acq: 8 Nov 2018 20:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 552232
Ion Ratio Lower Upper
82 100
128 44.5 34.2 51.2
54 52.3 38.6 58.0

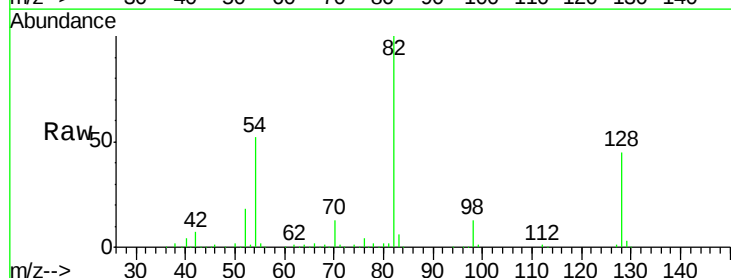


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

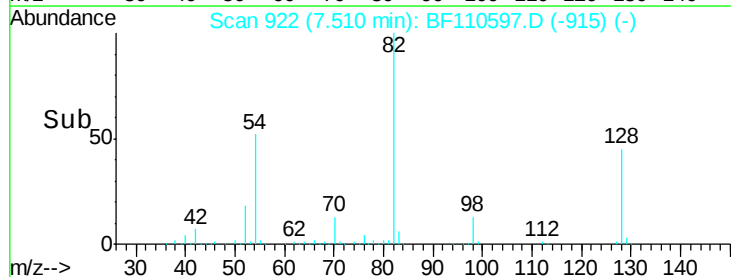
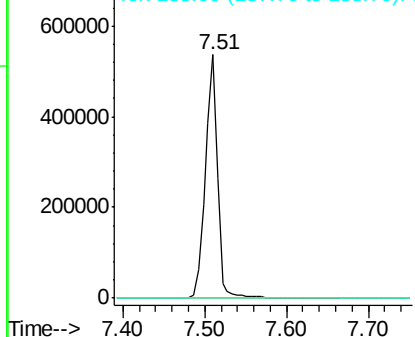


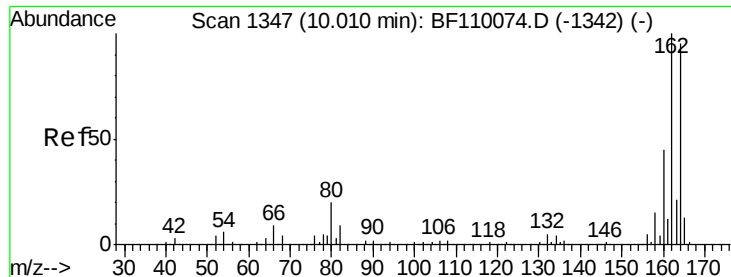
#25
Isophorone
Concen: 63.51 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.26 min
Lab File: BF110597.D
Acq: 8 Nov 2018 20:53

Tgt Ion: 82 Resp: 552228
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: 20.00 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF110597.D

Acq: 8 Nov 2018 20:53

Instrument :

BNA_F

ClientSampled :

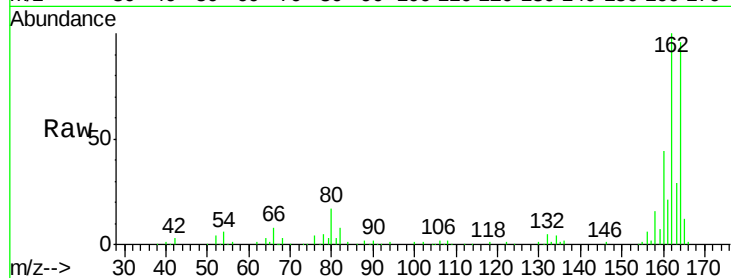
Tot Ion:164 Resp: 146689

Ion Ratio Lower Upper

164 100

162 103.7 83.0 124.6

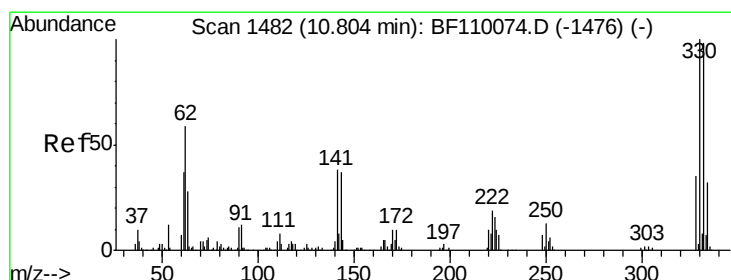
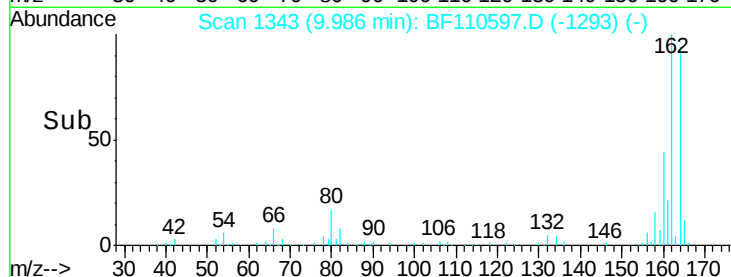
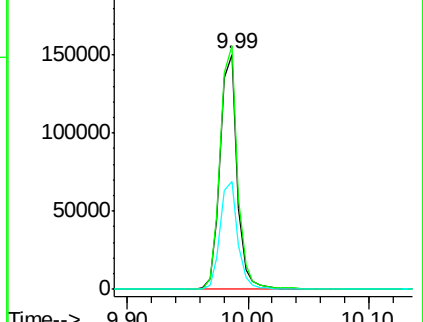
160 46.0 37.0 55.6



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: 89.98 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110597.D

Acq: 8 Nov 2018 20:53

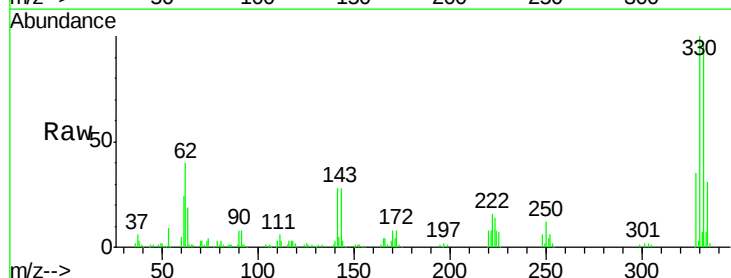
Tgt Ion:330 Resp: 133003

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

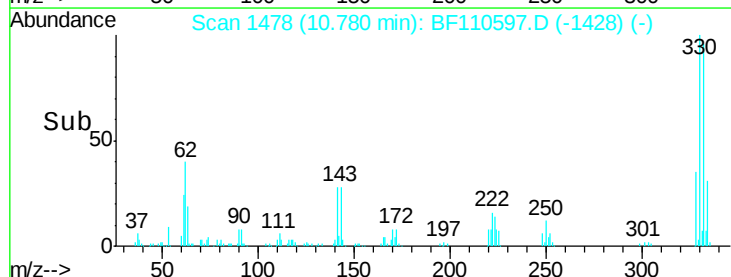
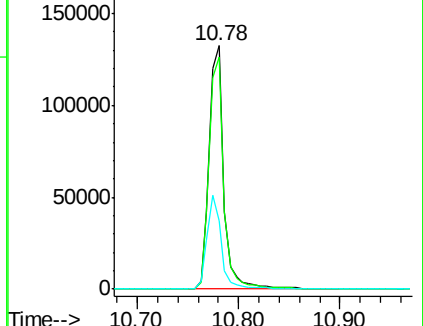
141 37.4 27.0 40.4

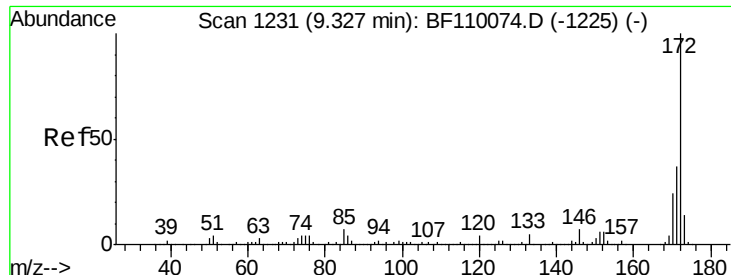


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

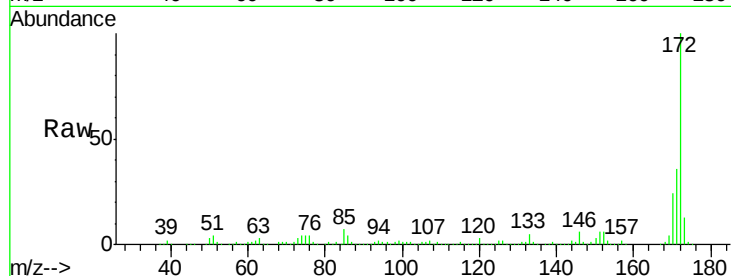




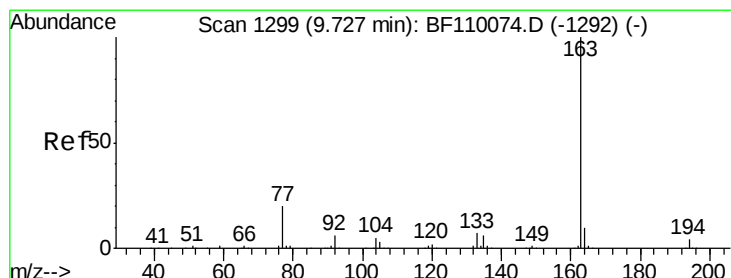
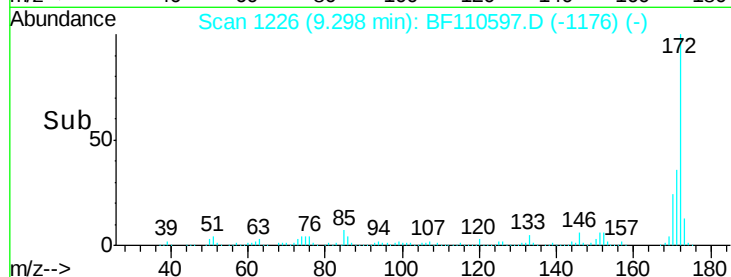
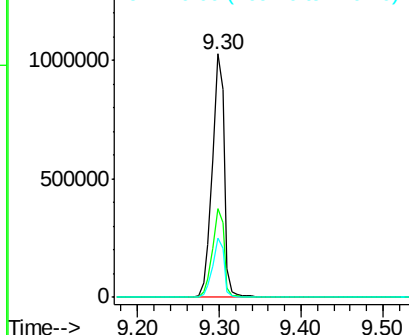
#45
2-Fluorobiphenyl
Concen: 102.25 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110597.D
Acq: 8 Nov 2018 20:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1050205
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 24.1 19.7 29.5

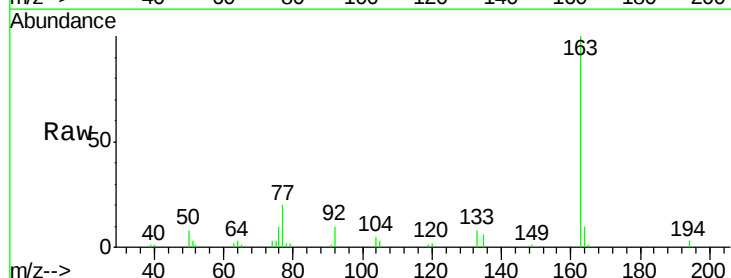


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

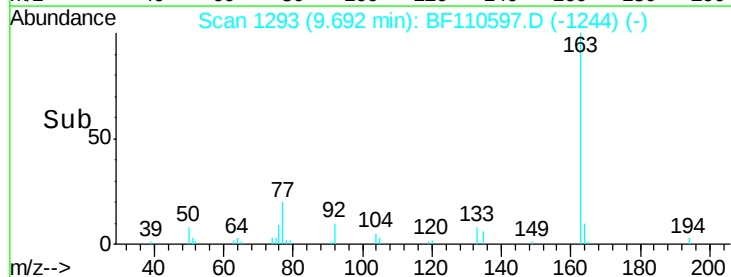
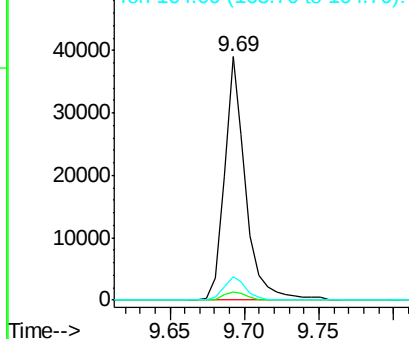


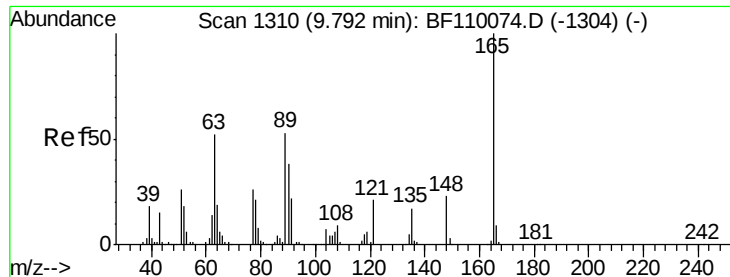
#50
Dimethylphthalate
Concen: 3.55 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110597.D
Acq: 8 Nov 2018 20:53

Tgt Ion:163 Resp: 38836
Ion Ratio Lower Upper
163 100
194 3.1 3.2 4.8#
164 9.8 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

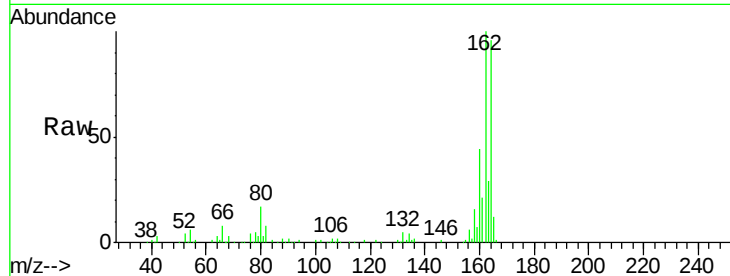




#51
 2,6-Dinitrotoluene
 Concen: 7.83 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. 0.21 min
 Lab File: BF110597.D
 Acq: 8 Nov 2018 20:53

Instrument :
 BNA_F
 ClientSampled :

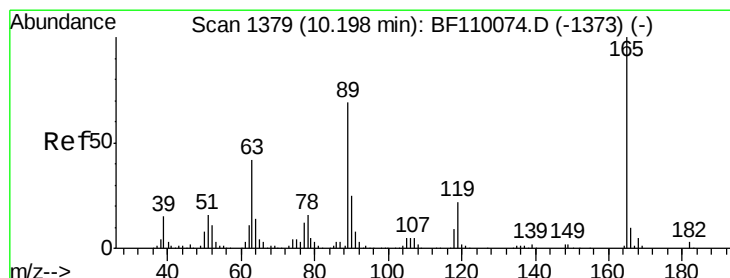
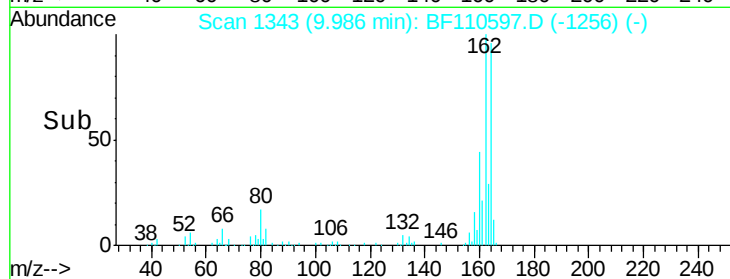
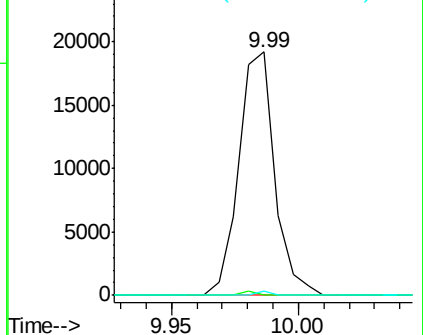
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	1.7	46.6	69.8#



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: 6.02 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110597.D
 Acq: 8 Nov 2018 20:53

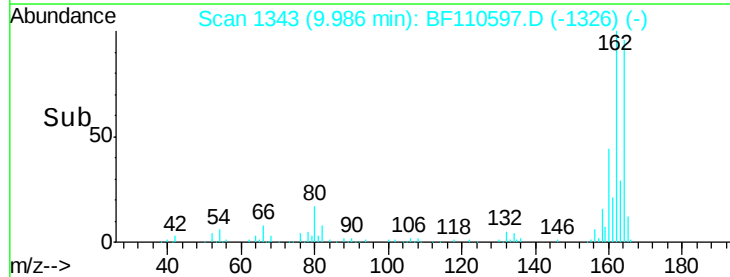
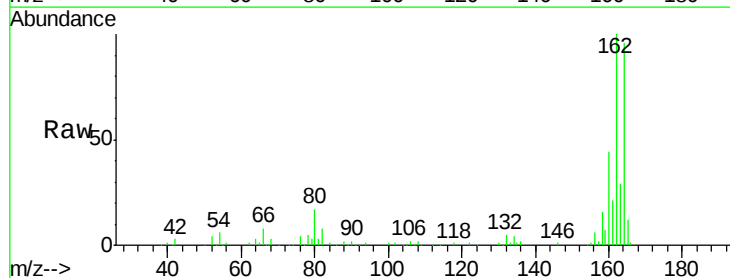
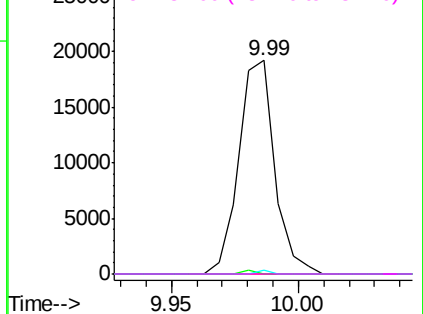
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	1.7	62.2	93.4#
182	0.0	2.1	3.1#

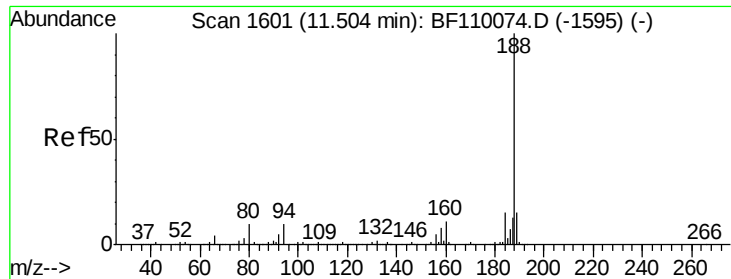
Abundance Ion 165.00 (164.70 to 165.70): E

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

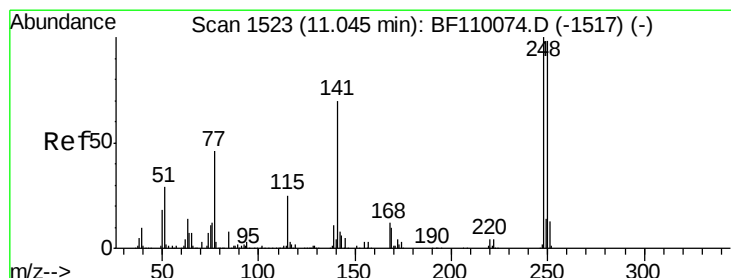
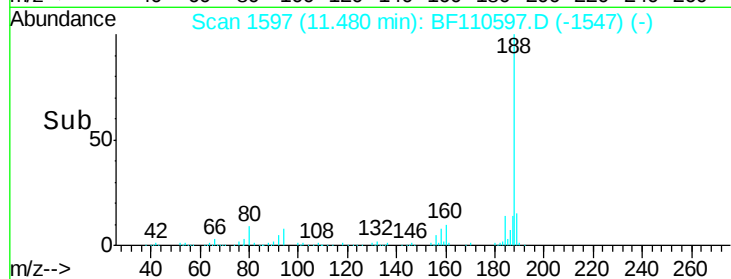
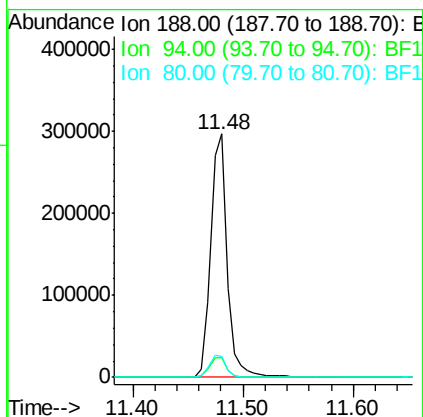
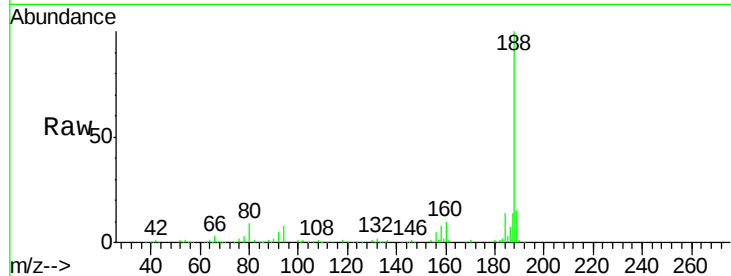




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110597.D
Acq: 8 Nov 2018 20:53

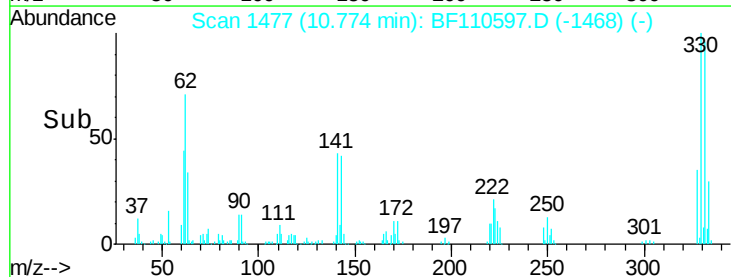
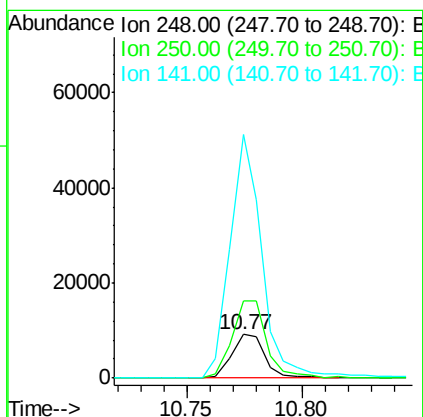
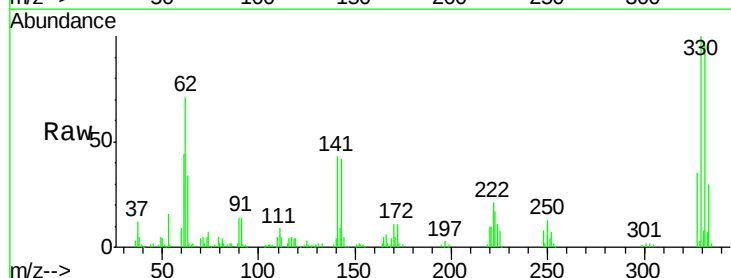
Instrument :
BNA_F
ClientSampleId :

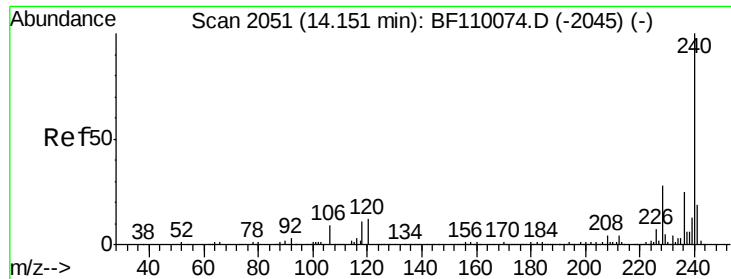
Tot Ion:188 Resp: 299331
Ion Ratio Lower Upper
188 100
94 8.1 7.2 10.8
80 8.6 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 2.76 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.25 min
Lab File: BF110597.D
Acq: 8 Nov 2018 20:53

Tgt Ion:248 Resp: 9122
Ion Ratio Lower Upper
248 100
250 176.3 79.4 119.2#
141 558.7 55.9 83.9#

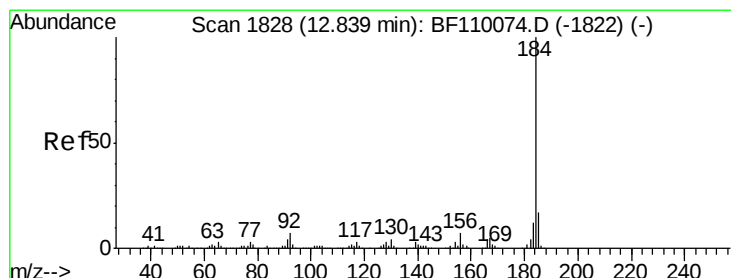
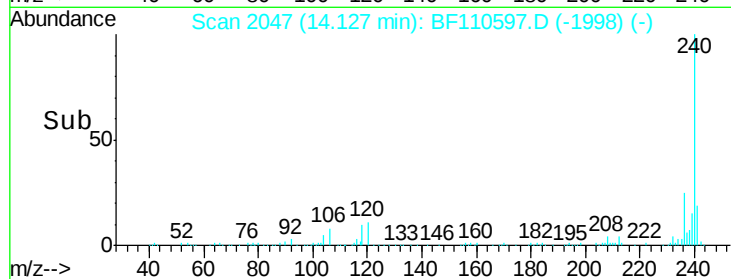
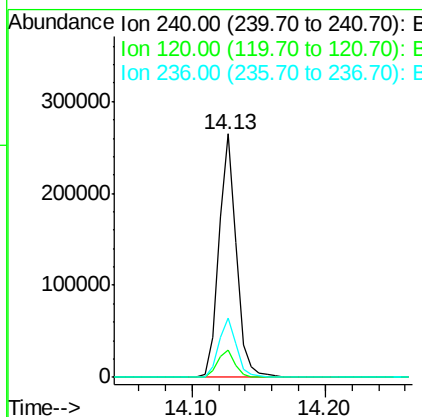
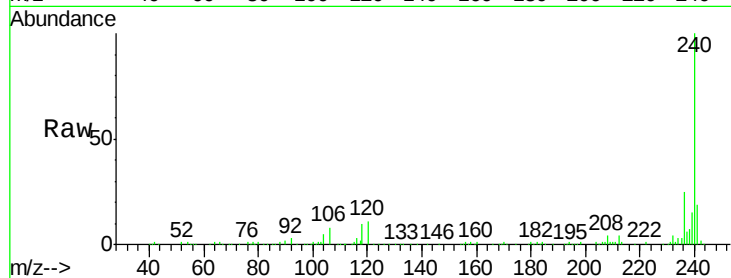




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110597.D
Acq: 8 Nov 2018 20:53

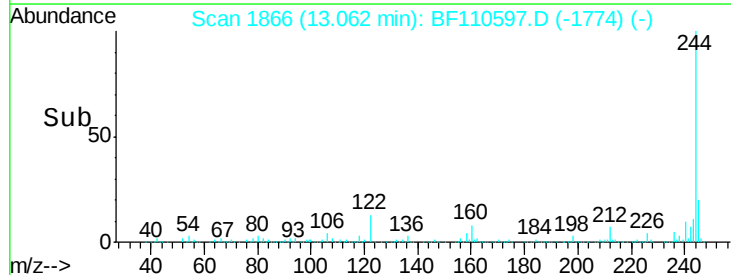
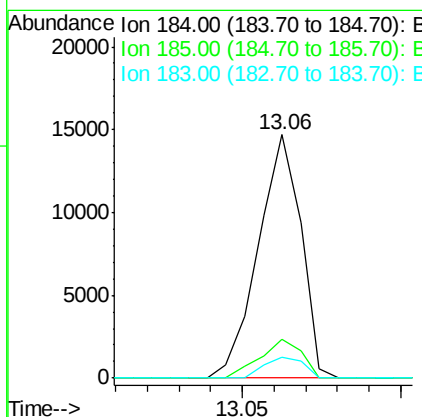
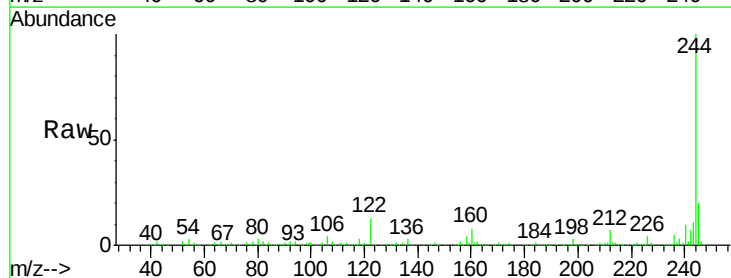
Instrument :
BNA_F
ClientSampleId :

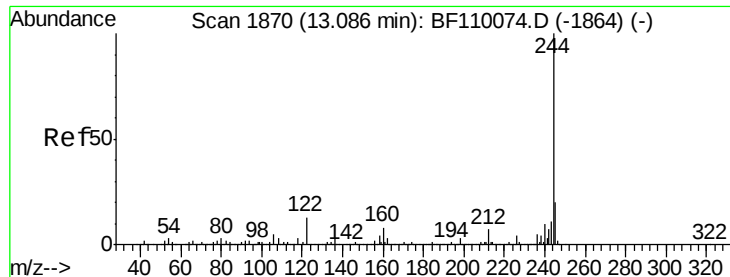
Tot Ion:240 Resp: 244498
Ion Ratio Lower Upper
240 100
120 11.1 8.3 12.5
236 24.6 21.2 31.8



#77
Benzidine
Concen: 2.04 ng
RT: 13.06 min Scan# 1866
Delta R.T. 0.24 min
Lab File: BF110597.D
Acq: 8 Nov 2018 20:53

Tgt Ion:184 Resp: 13718
Ion Ratio Lower Upper
184 100
185 15.7 13.4 20.2
183 8.8 9.4 14.2#





#79

Terphenyl-d14

Concen: 78.68 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110597.D

Acq: 8 Nov 2018 20:53

Instrument :

BNA_F

ClientSampled :

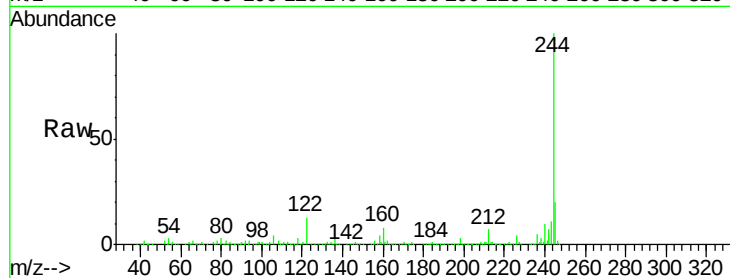
Tot Ion:244 Resp: 1027220

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

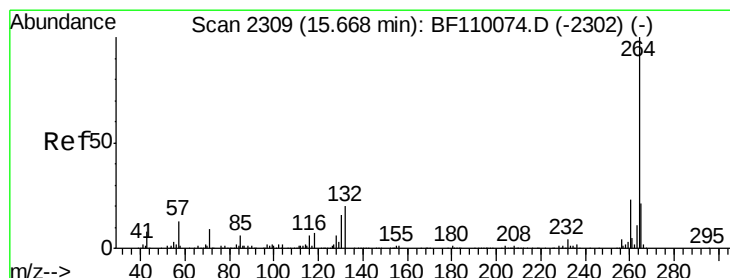
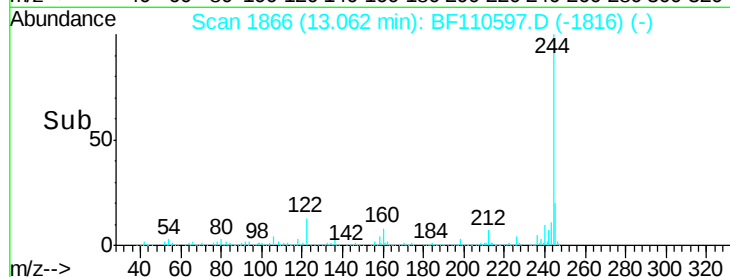
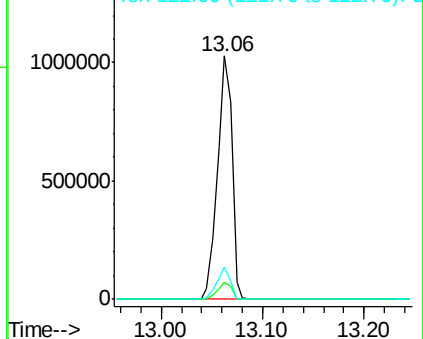
122 13.2 8.7 13.1#



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: 20.00 ng

RT: 15.65 min Scan# 2306

Delta R.T. -0.01 min

Lab File: BF110597.D

Acq: 8 Nov 2018 20:53

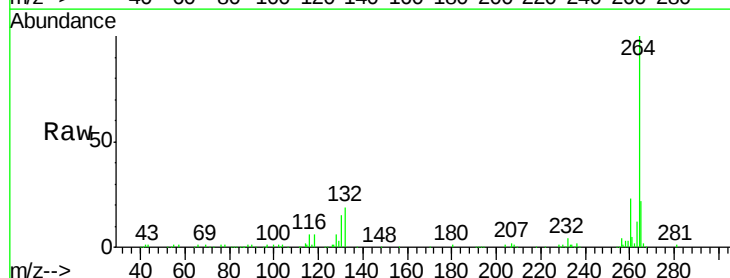
Tgt Ion:264 Resp: 157210

Ion Ratio Lower Upper

264 100

260 22.7 18.7 28.1

265 22.0 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

