

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092420\
 Data File : BF121691.D
 Acq On : 24 Sep 2020 19:56
 Operator : JU/CG
 Sample : L4133-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW4S

Quant Time: Sep 25 01:12:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 17:53:26 2020
 Response via : Initial Calibration

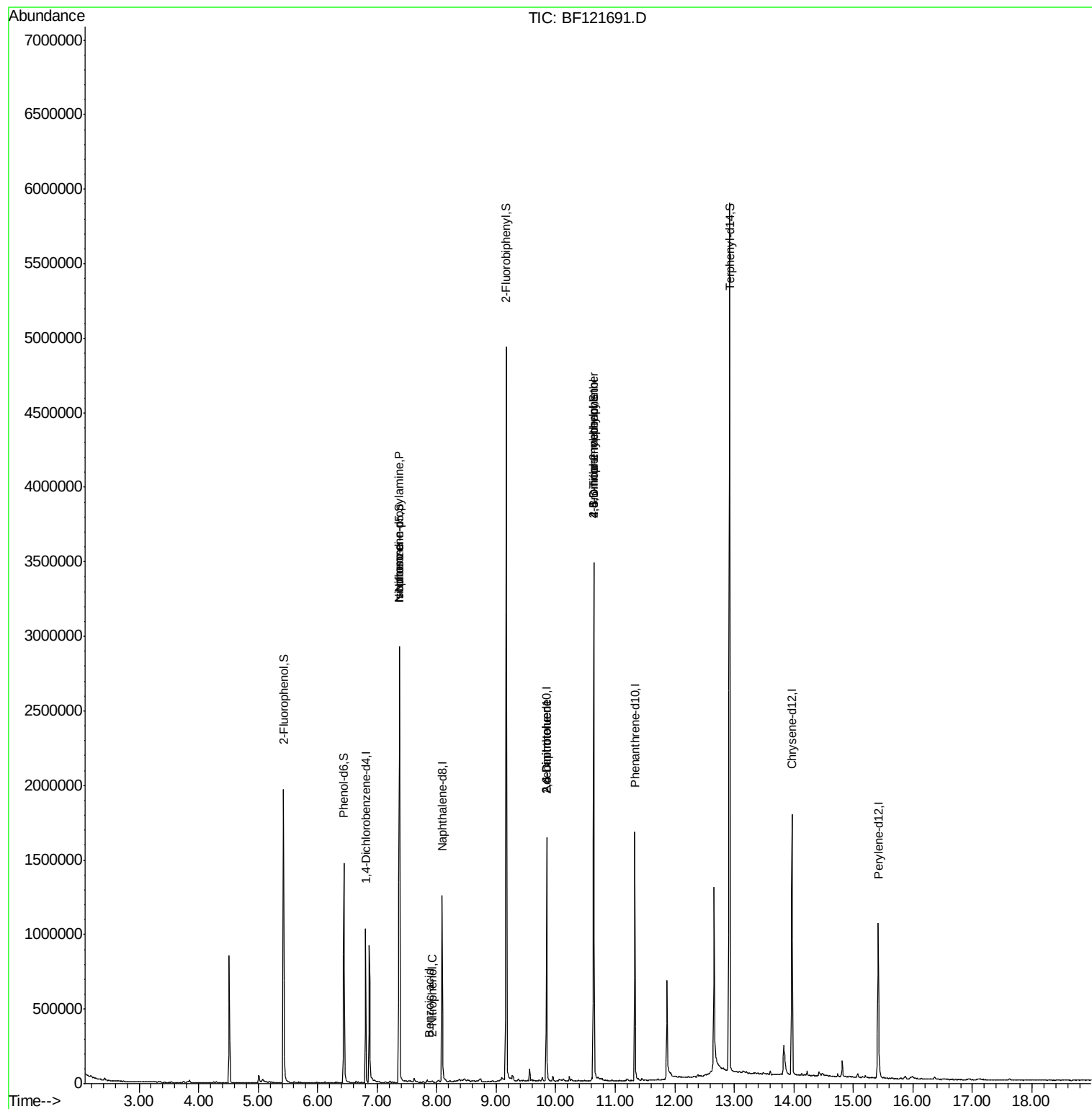
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	149030	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	588763	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	317890	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	627729	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	592561	20.00	ng	-0.01
86) Perylene-d12	15.42	264	499763	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	570508	56.89	ng	0.00
7) Phenol-d6	6.44	99	471965	35.87	ng	-0.01
23) Nitrobenzene-d5	7.37	82	1024522	93.43	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	508683	128.75	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1638216	78.05	ng	0.00
79) Terphenyl-d14	12.92	244	2312902	79.08	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	138154	18.221	ng	# 80
25) Isophorone	7.37	82	1013238	45.902	ng	# 67
26) 2-Nitrophenol	7.93	139	175	2.589	ng	# 33
32) Benzoic acid	7.88	122	244	6.964	ng	# 34
51) 2,6-Dinitrotoluene	9.85	165	40371	8.228	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	40371	6.540	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.64	198	922	7.057	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	29470	4.123	ng	# 1

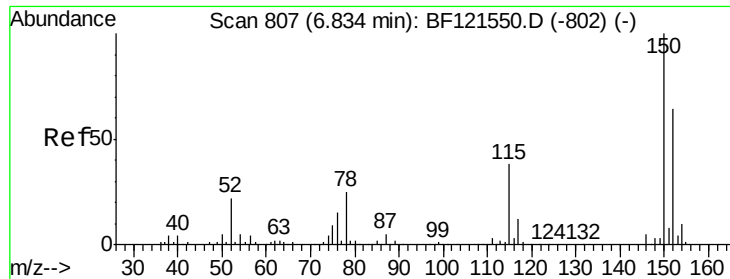
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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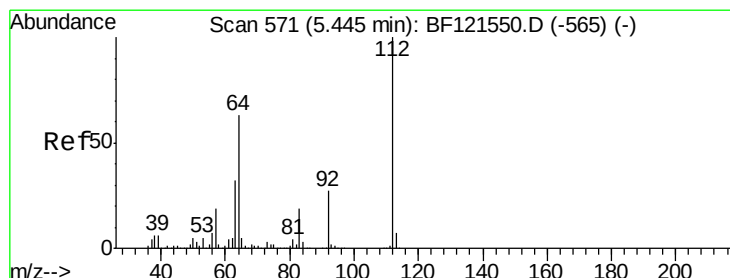
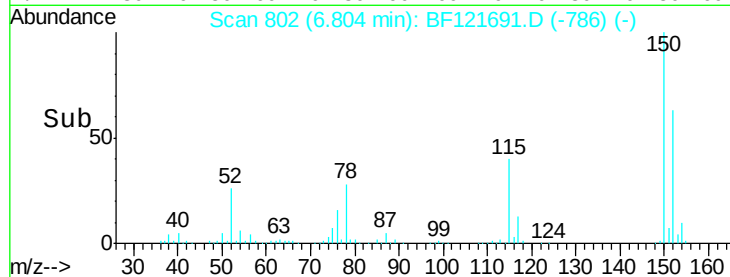
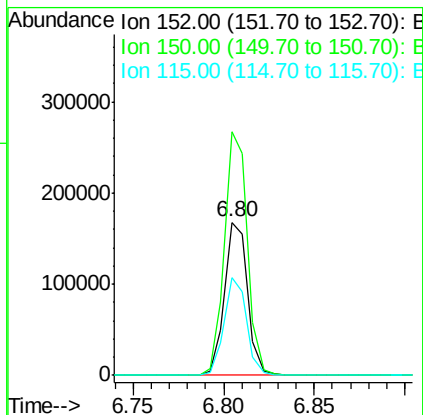
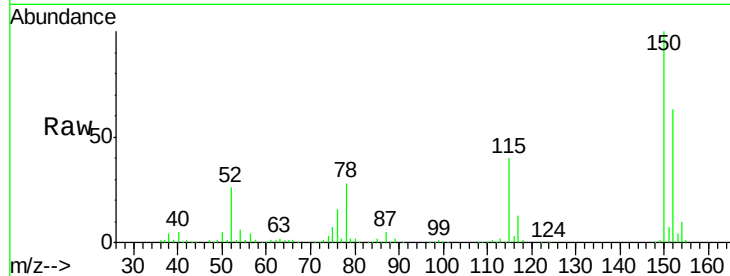


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF121691.D
Acq: 24 Sep 2020 19:56

Instrument :
BNA_F
ClientSampleId :
MW4S

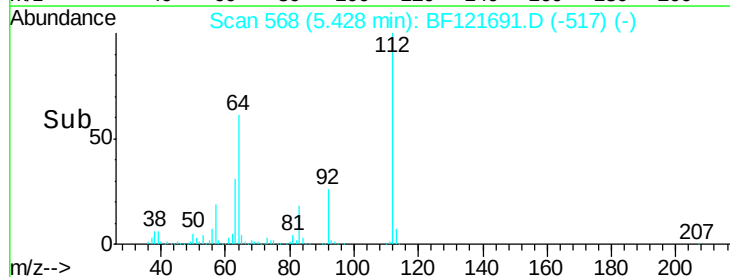
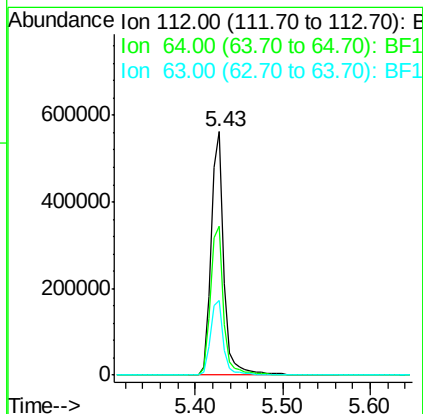
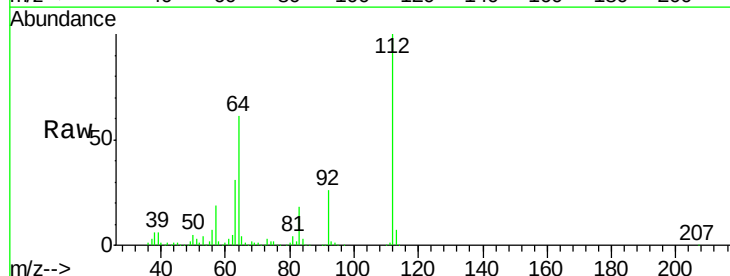
Tot Ion:152 Resp: 149030
Ion Ratio Lower Upper
152 100
150 159.2 128.1 192.1
115 63.9 52.6 79.0

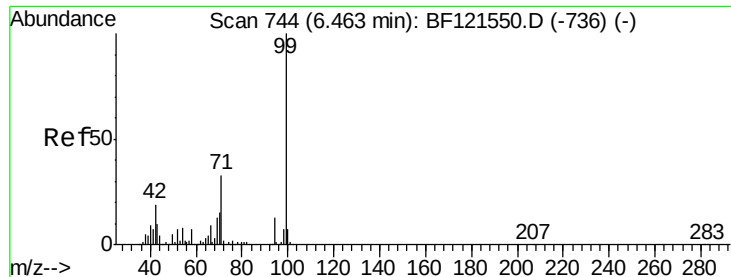


#5

2-Fluorophenol
Concen: 56.891 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.00 min
Lab File: BF121691.D
Acq: 24 Sep 2020 19:56

Tgt Ion:112 Resp: 570508
Ion Ratio Lower Upper
112 100
64 61.2 52.2 78.2
63 30.5 26.6 39.8





#7

Phenol-d6

Concen: 35.874 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121691.D

Acq: 24 Sep 2020 19:56

Instrument :

BNA_F

ClientSampleId :

MW4S

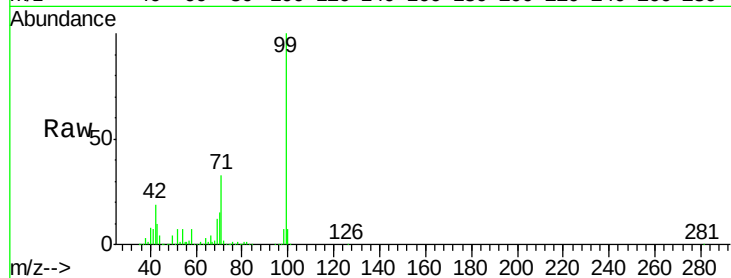
Tot Ion: 99 Resp: 471965

Ion Ratio Lower Upper

99 100

42 19.1 15.5 23.3

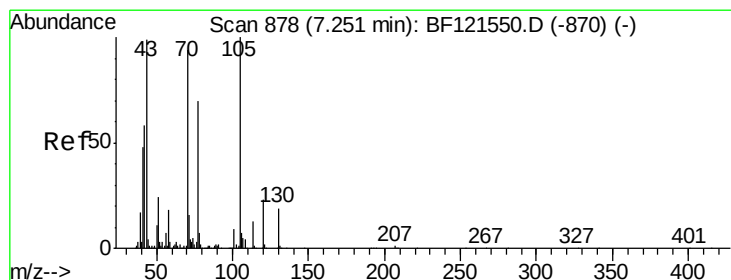
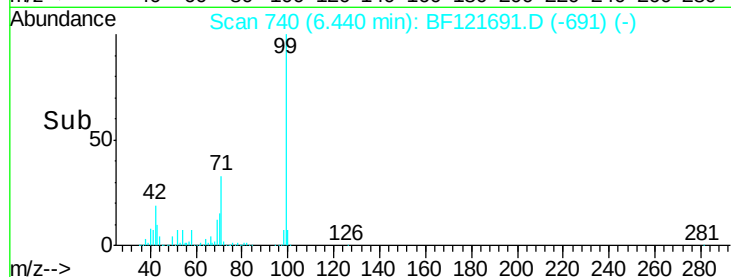
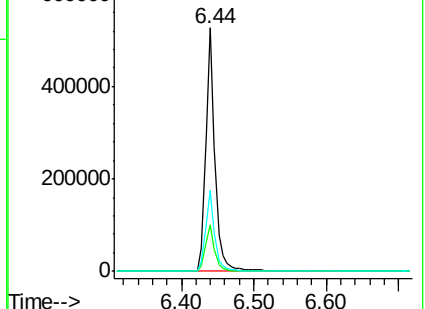
71 33.2 27.4 41.2



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: 18.221 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF121691.D

Acq: 24 Sep 2020 19:56

Tgt Ion: 70 Resp: 138154

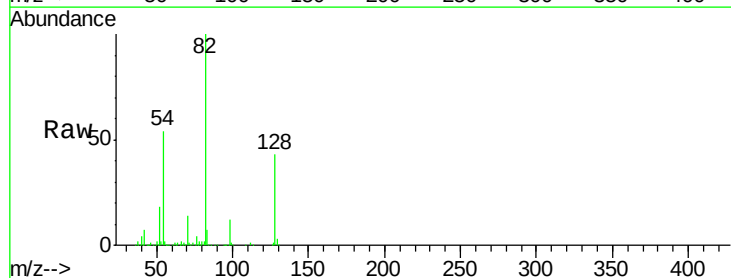
Ion Ratio Lower Upper

70 100

42 50.2 48.3 72.5

101 0.0 7.6 11.4#

130 2.0 15.9 23.9#

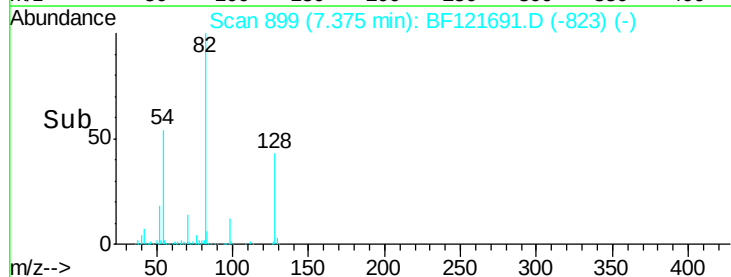
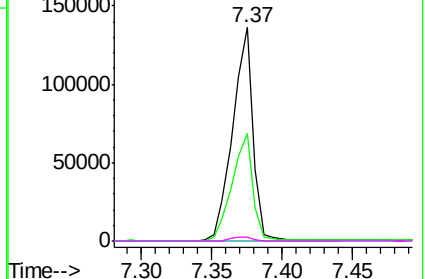


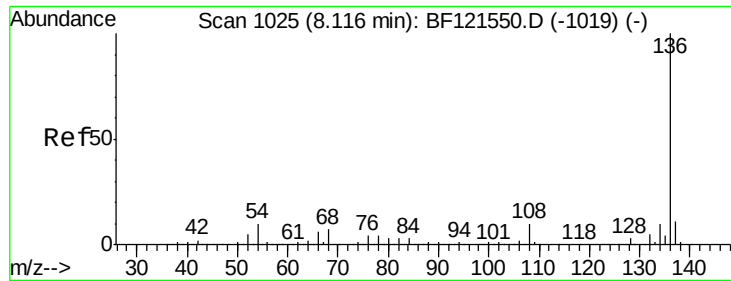
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF121691.D

Acq: 24 Sep 2020 19:56

Instrument :

BNA_F

ClientSampleId :

MW4S

Tot Ion:136 Resp: 588763

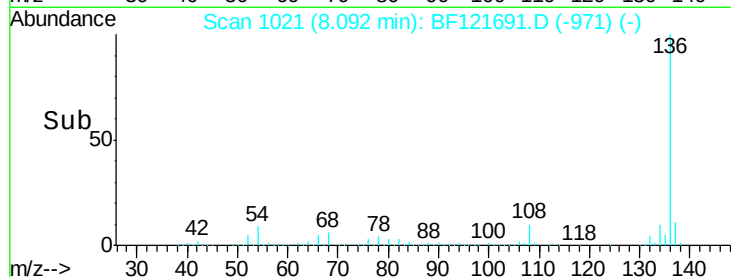
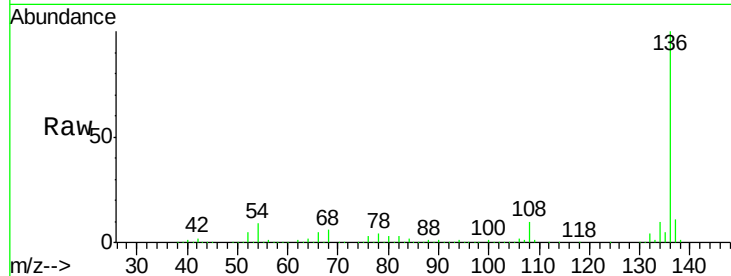
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.2 7.4 11.0

68 6.4 5.3 7.9

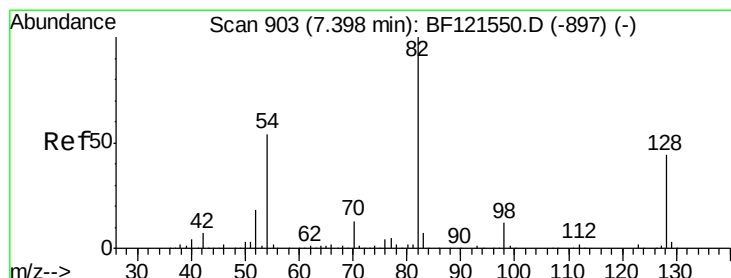
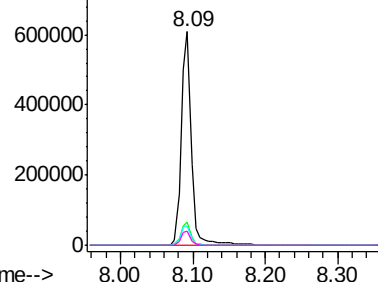


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.431 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF121691.D

Acq: 24 Sep 2020 19:56

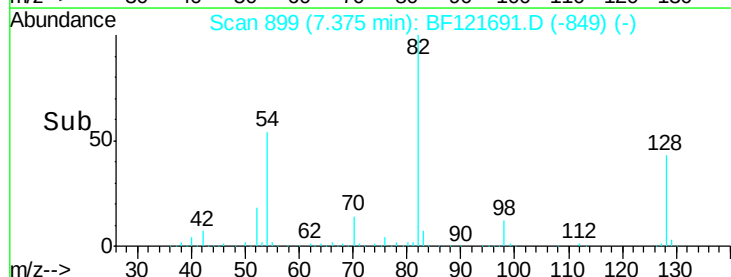
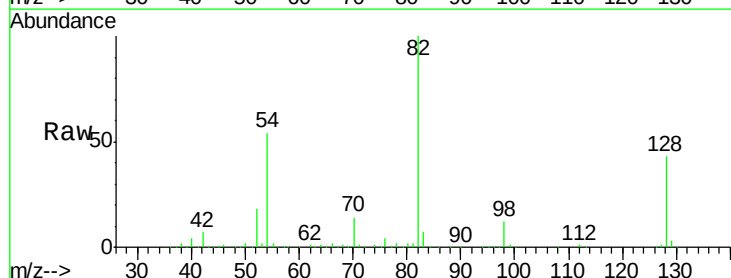
Tgt Ion: 82 Resp: 1024522

Ion Ratio Lower Upper

82 100

128 43.0 33.9 50.9

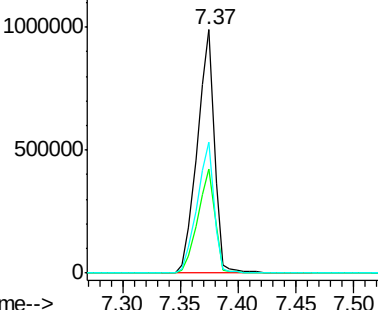
54 53.8 42.9 64.3

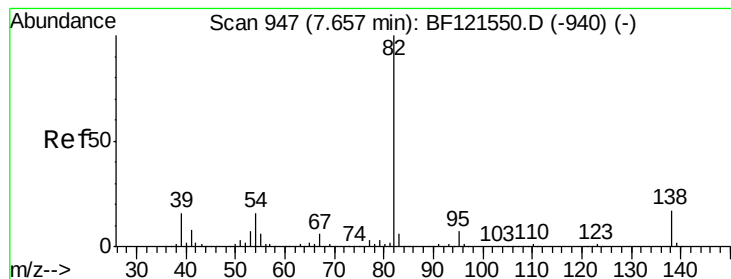


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.902 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121691.D

Acq: 24 Sep 2020 19:56

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MW4S

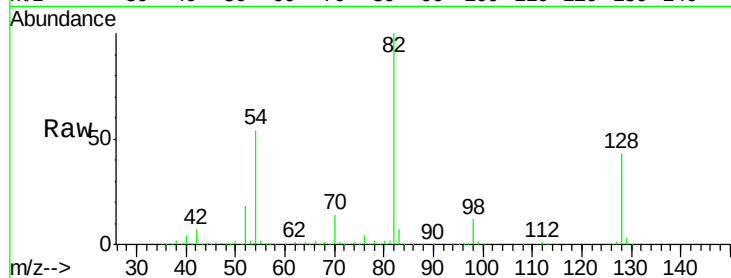
Tot Ion: 82 Resp: 1013238

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

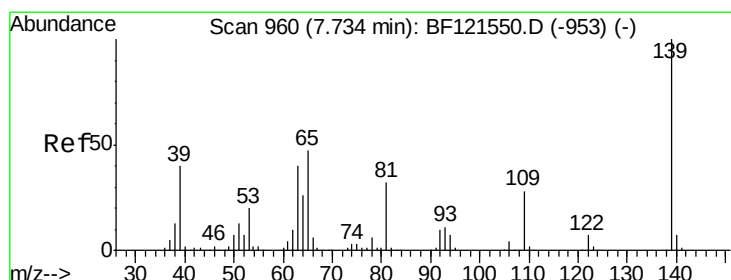
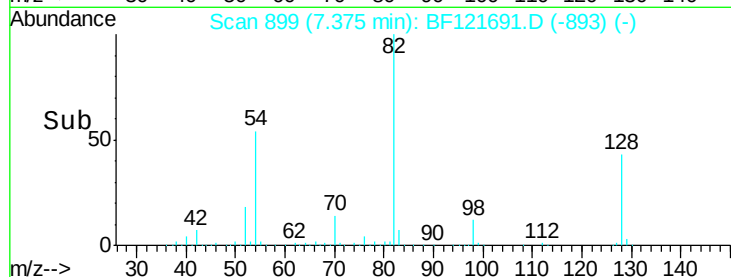
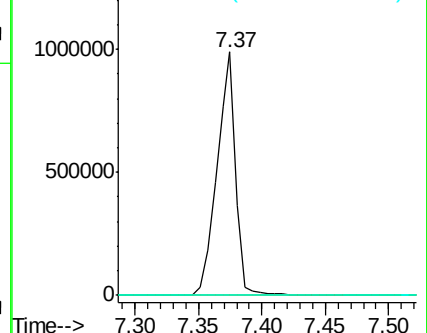
138 0.0 13.2 19.8#



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



#26

2-Nitrophenol

Concen: 2.589 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.22 min

Lab File: BF121691.D

Acq: 24 Sep 2020 19:56

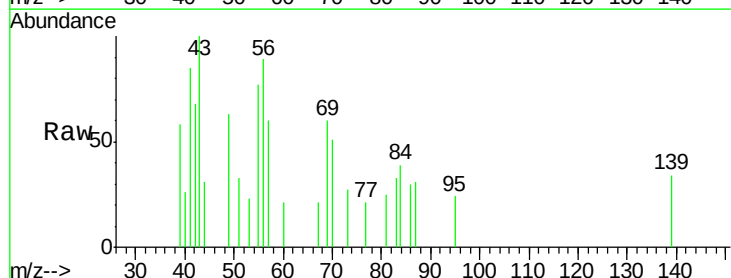
Tgt Ion: 139 Resp: 175

Ion Ratio Lower Upper

139 100

109 0.0 23.4 35.2#

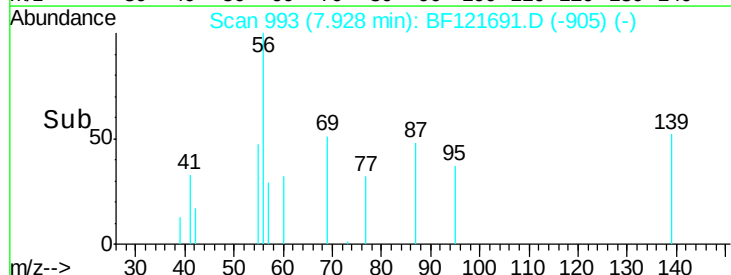
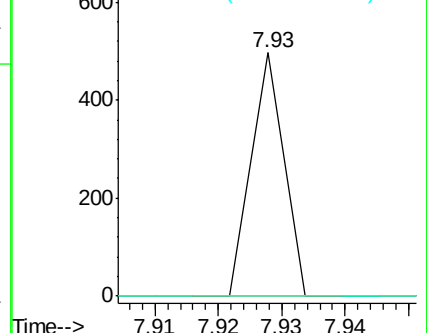
65 0.0 41.0 61.4#

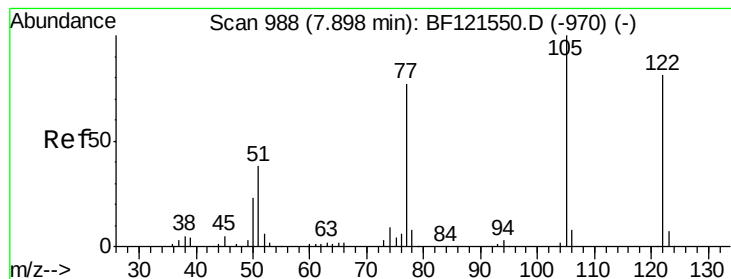


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#32

Benzoic acid

Concen: 6.964 ng

RT: 7.88 min Scan# 985

Delta R.T. -0.01 min

Lab File: BF121691.D

Acq: 24 Sep 2020 19:56

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MW4S

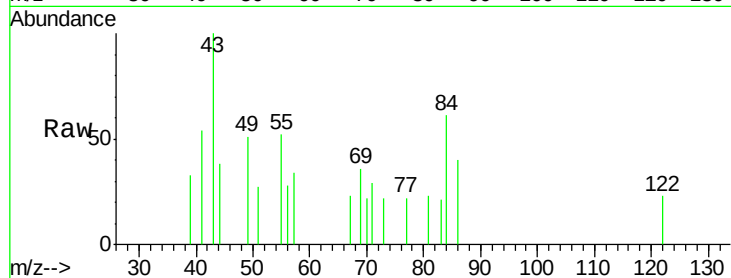
Tot Ion:122 Resp: 244

Ion Ratio Lower Upper

122 100

105 0.0 101.9 141.9#

77 97.1 69.0 109.0



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

600

500

400

300

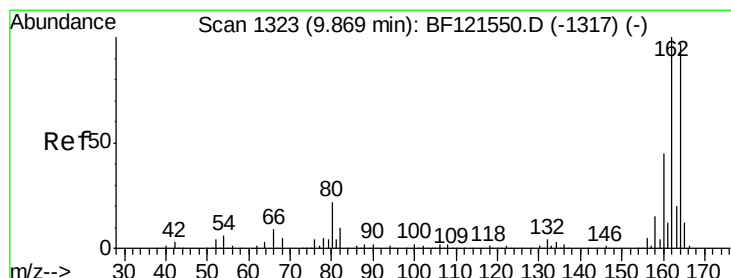
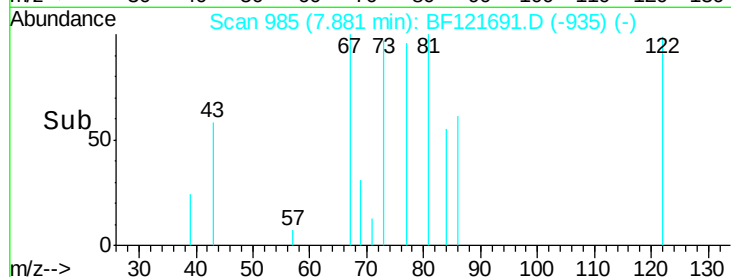
200

100

0

Time-->

7.86 7.88 7.90



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF121691.D

Acq: 24 Sep 2020 19:56

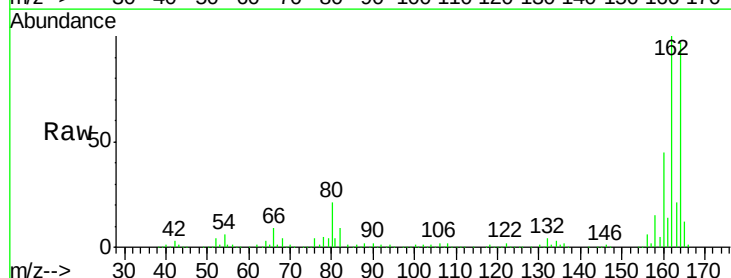
Tgt Ion:164 Resp: 317890

Ion Ratio Lower Upper

164 100

162 102.7 81.2 121.8

160 46.3 36.2 54.4



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

500000

400000

300000

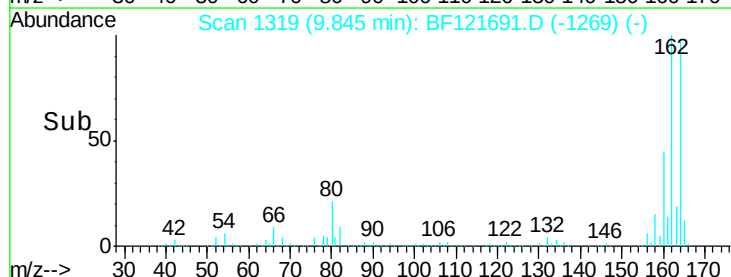
200000

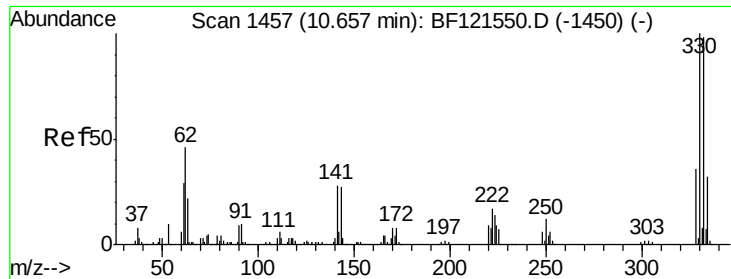
100000

0

Time-->

9.80 9.85 9.90

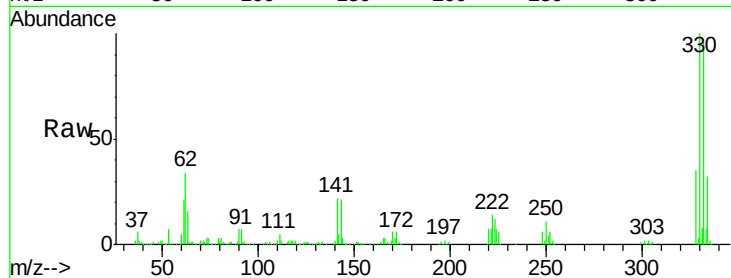




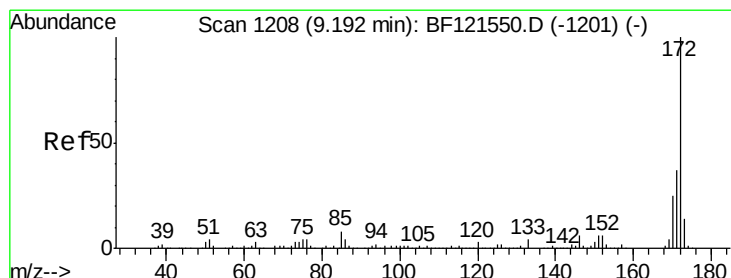
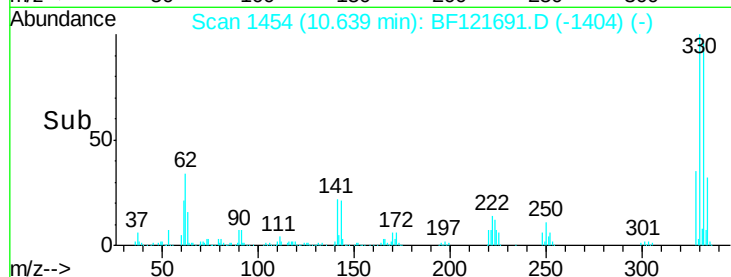
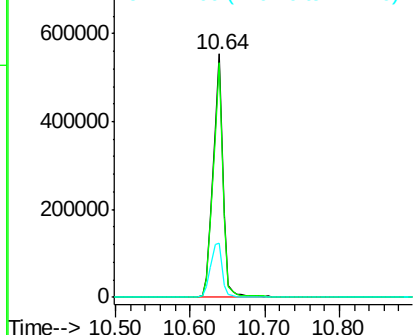
#42
 2,4,6-Tribromophenol
 Concen: 128.750 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF121691.D
 Acq: 24 Sep 2020 19:56

Instrument :
 BNA_F
 ClientSampleId :
 MW4S

Tot Ion:330 Resp: 508683
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.9 115.3
 141 27.0 22.4 33.6

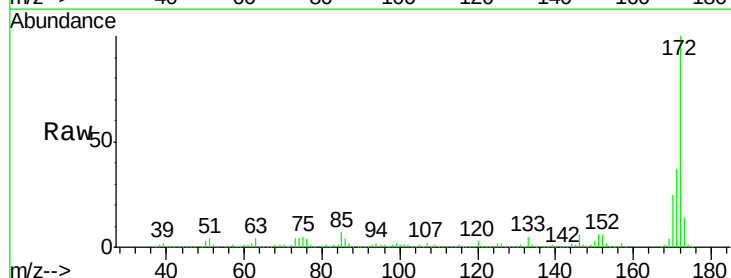


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

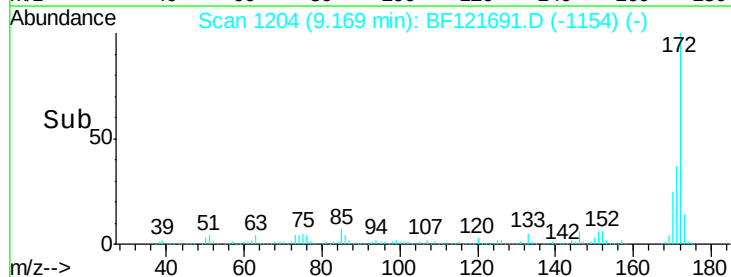
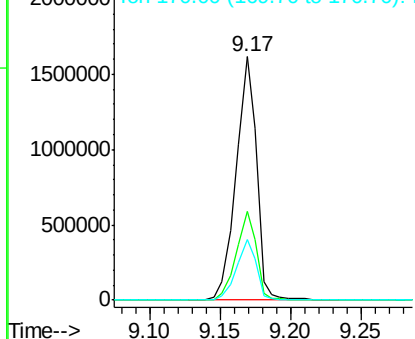


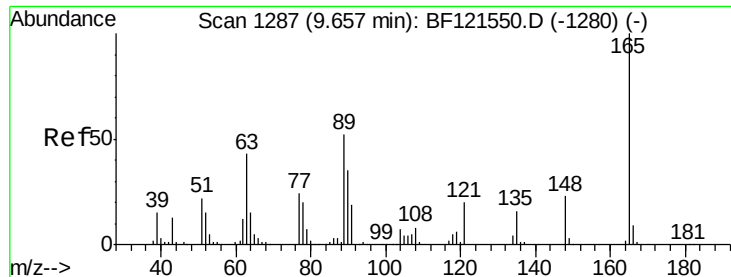
#45
 2-Fluorobiphenyl
 Concen: 78.050 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF121691.D
 Acq: 24 Sep 2020 19:56

Tgt Ion:172 Resp: 1638216
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.3 43.9
 170 24.7 19.5 29.3



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

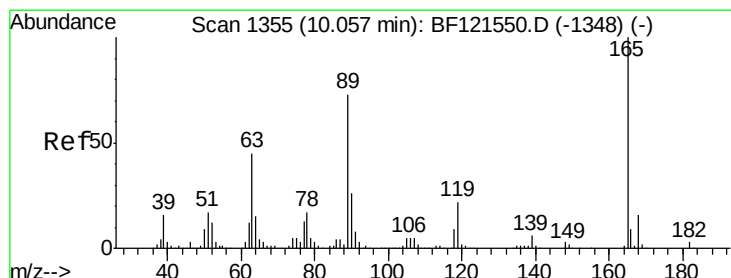
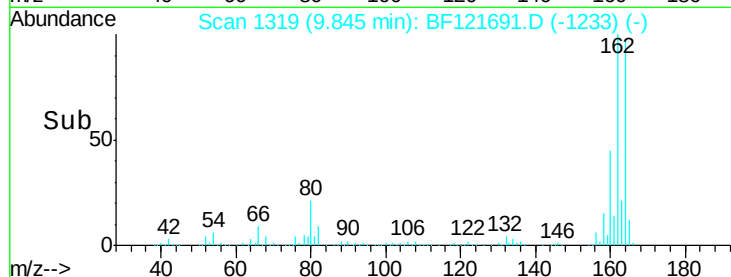
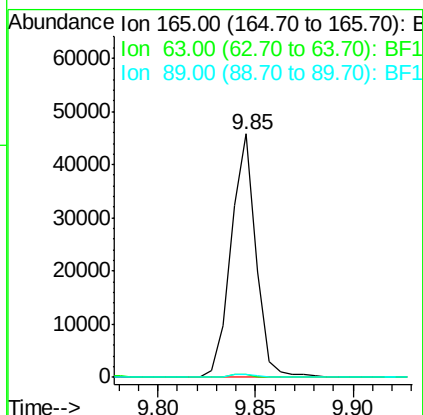
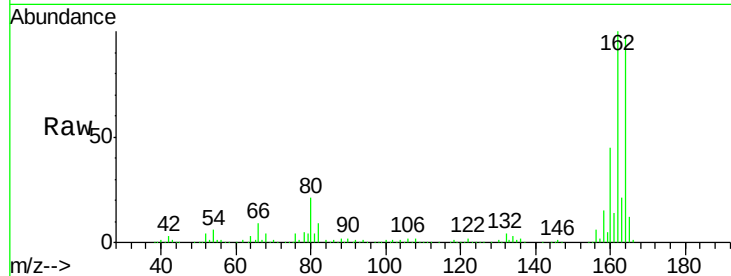




#51
 2,6-Dinitrotoluene
 Concen: 8.228 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF121691.D
 Acq: 24 Sep 2020 19:56

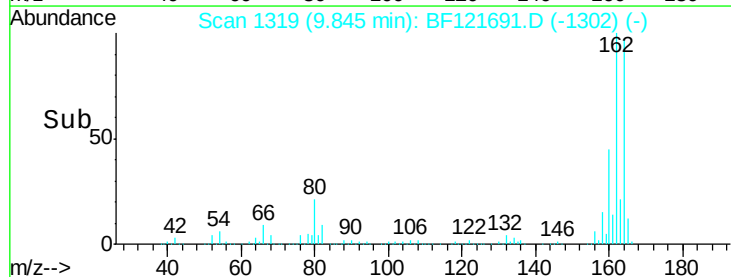
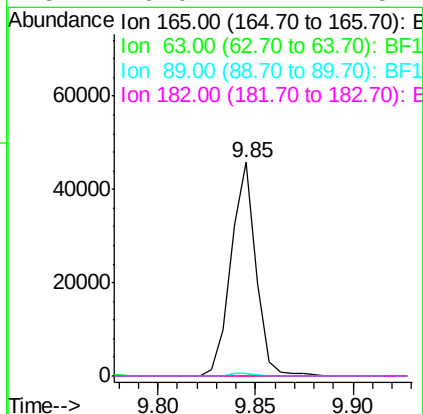
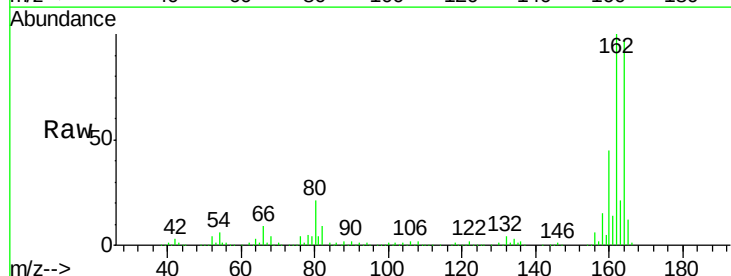
Instrument :
 BNA_F
 ClientSampleId :
 MW4S

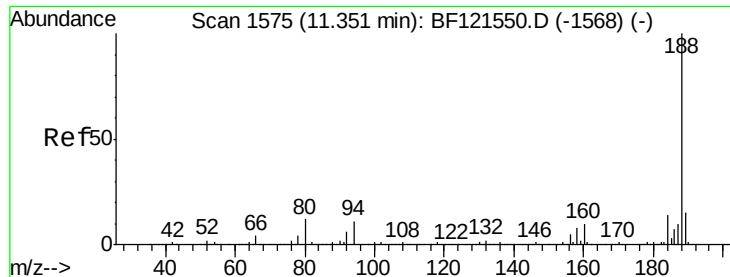
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	47.6	71.4#
89	1.4	46.0	69.0#



#57
 2,4-Dinitrotoluene
 Concen: 6.540 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF121691.D
 Acq: 24 Sep 2020 19:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.7	55.1#
89	1.4	57.7	86.5#
182	0.0	2.1	3.1#

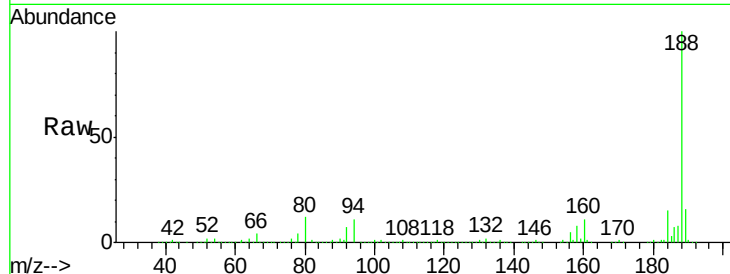




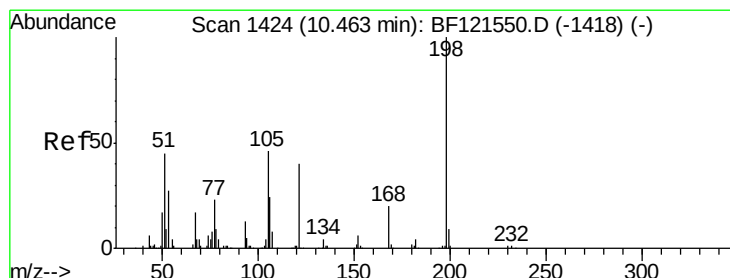
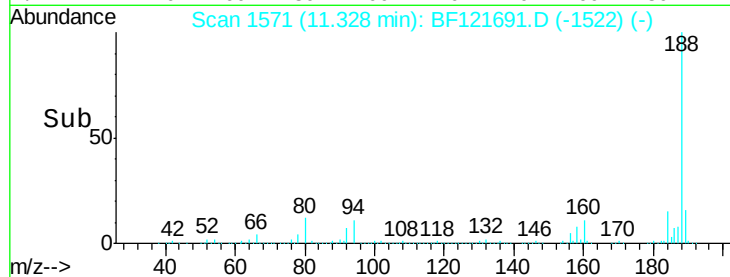
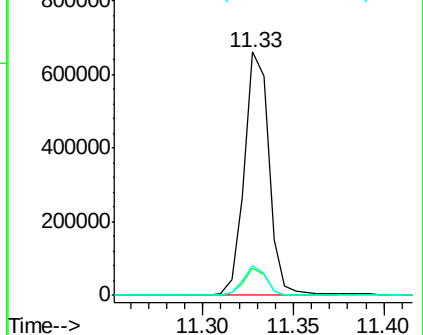
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF121691.D
Acq: 24 Sep 2020 19:56

Instrument :
BNA_F
ClientSampleId :
MW4S

Tot Ion:188 Resp: 627729
Ion Ratio Lower Upper
188 100
94 11.3 8.4 12.6
80 12.3 9.0 13.4

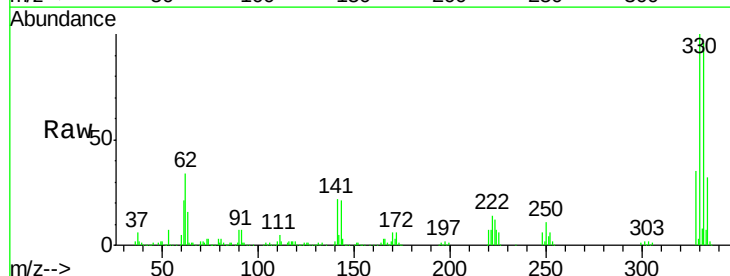


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

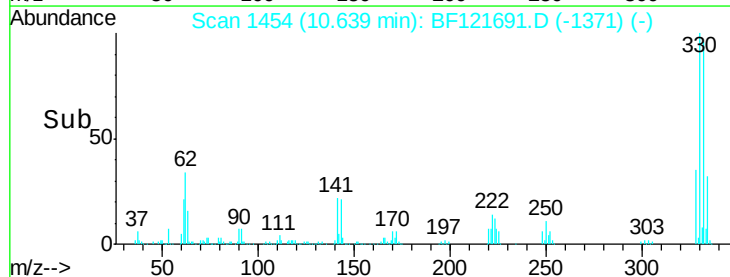
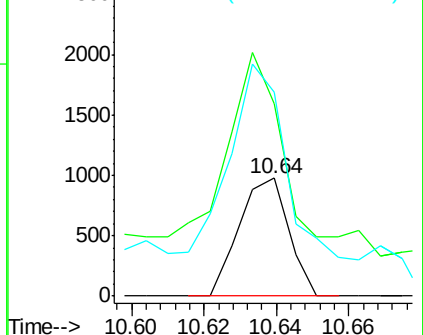


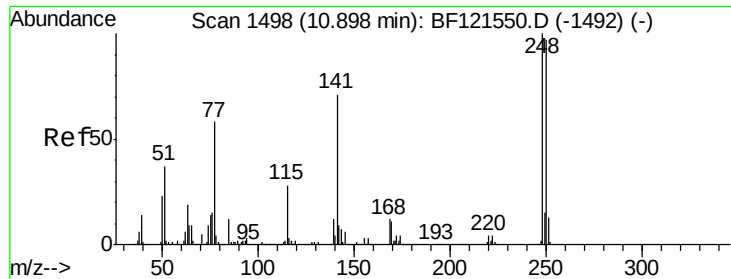
#65
4,6-Dinitro-2-methylphenol
Concen: 7.057 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.19 min
Lab File: BF121691.D
Acq: 24 Sep 2020 19:56

Tgt Ion:198 Resp: 922
Ion Ratio Lower Upper
198 100
51 163.4 20.3 60.3#
105 173.0 20.2 60.2#



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

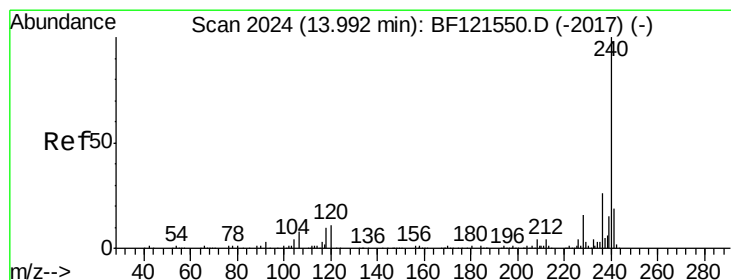
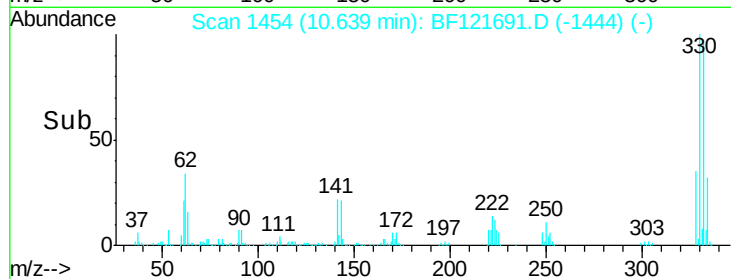
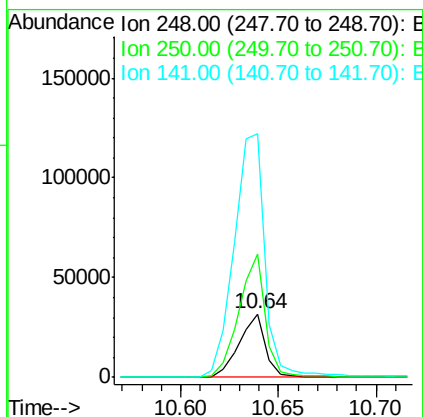
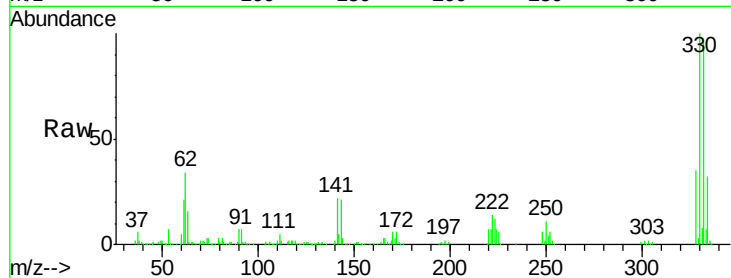




#67
4-Bromophenyl-phenylether
Concen: 4.123 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF121691.D
Acq: 24 Sep 2020 19:56

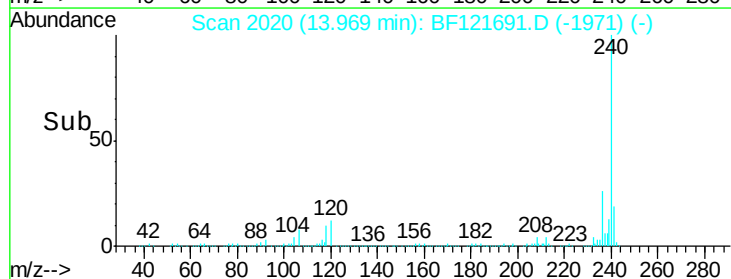
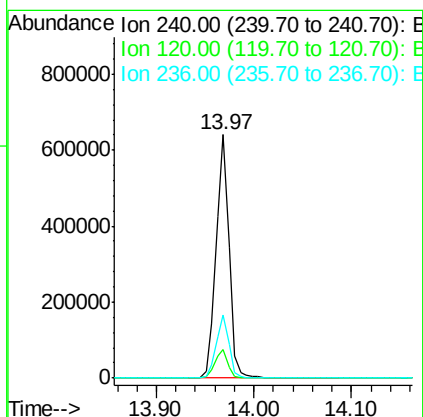
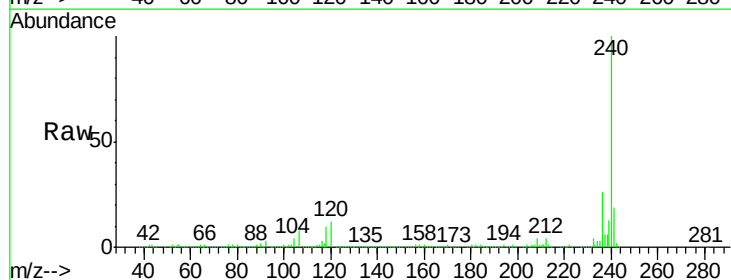
Instrument :
BNA_F
ClientSampleId :
MW4S

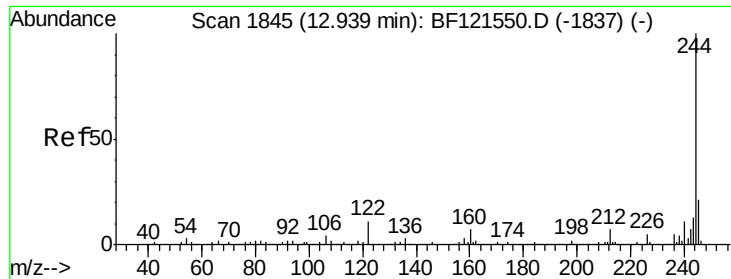
Tot Ion:248 Resp: 29470
Ion Ratio Lower Upper
248 100
250 195.5 79.4 119.0#
141 384.5 52.2 78.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF121691.D
Acq: 24 Sep 2020 19:56

Tgt Ion:240 Resp: 592561
Ion Ratio Lower Upper
240 100
120 11.6 9.2 13.8
236 26.0 20.4 30.6

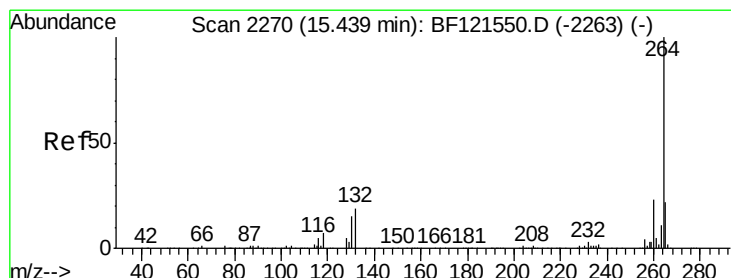
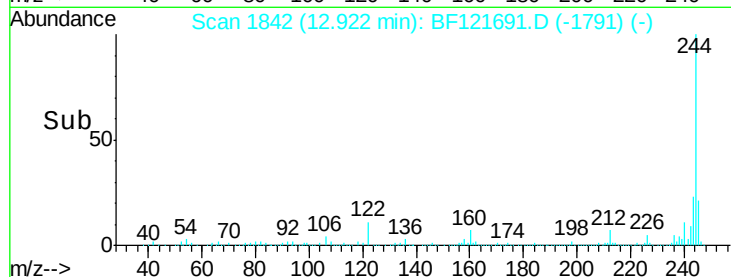
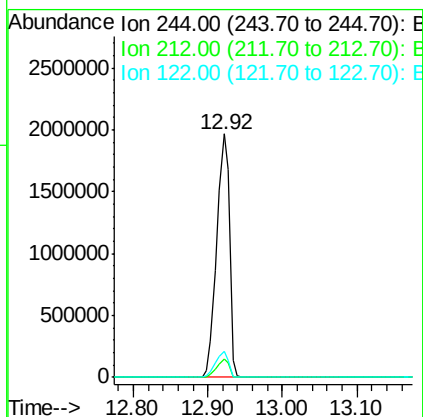
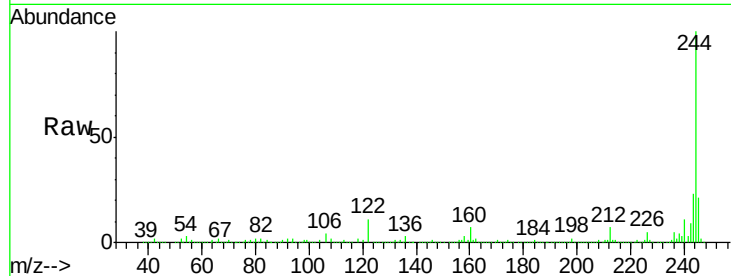




#79
 Terphenyl-d14
 Concen: 79.076 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BF121691.D
 Acq: 24 Sep 2020 19:56

Instrument :
 BNA_F
 ClientSampleId :
 MW4S

Tot Ion:244 Resp: 2312902
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.5 8.3
 122 10.6 7.4 11.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. -0.01 min
 Lab File: BF121691.D
 Acq: 24 Sep 2020 19:56

Tgt Ion:264 Resp: 499763
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.8 28.2
 265 21.5 17.3 25.9

