

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061720\
 Data File : BF120638.D
 Acq On : 17 Jun 2020 17:54
 Operator : JU/CG
 Sample : L2986-09DL 40X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 93-94-COMPDL

Quant Time: Jun 17 18:49:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	156812	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	515614	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	294665	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	560215	20.00	ng	0.00
76) Chrysene-d12	13.95	240	562757	20.00	ng	-0.01
86) Perylene-d12	15.39	264	630684	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	2299	0.25	ng	-0.01
7) Phenol-d6	6.43	99	4776	0.42	ng	-0.01
23) Nitrobenzene-d5	7.35	82	18048	1.96	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	1967	0.57	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	13302	0.69	ng	-0.01
79) Terphenyl-d14	12.90	244	16330	0.64	ng	-0.01

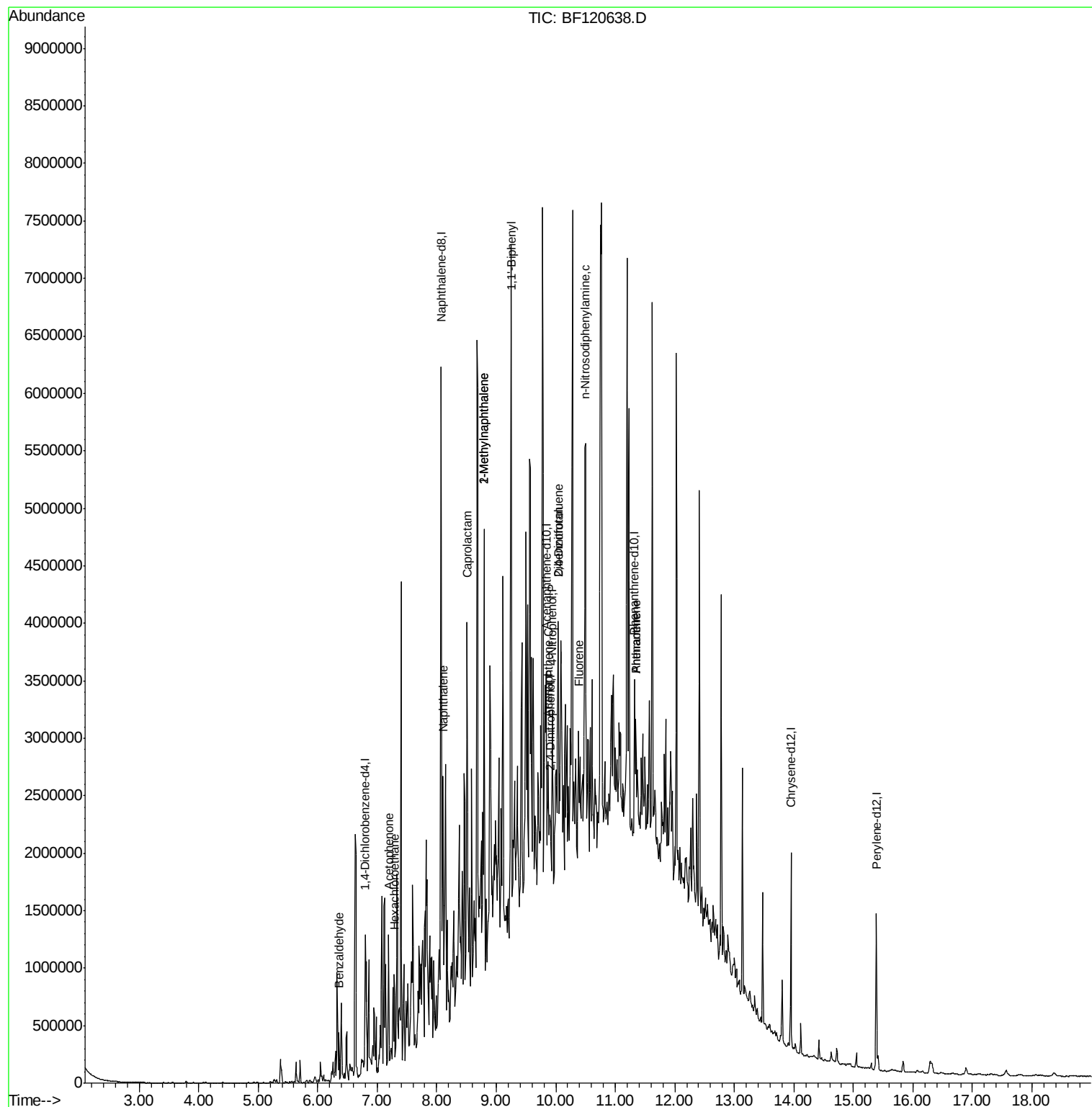
Target Compounds				Qvalue		
9) Benzaldehyde	6.36	77	14732	2.045	ng	# 1
18) Hexachloroethane	7.29	117	19368	4.848	ng	# 1
22) Acetophenone	7.19	105	152327	13.214	ng	# 47
31) Naphthalene	8.10	128	544783	21.517	ng	# 97
35) Caprolactam	8.51	113	69279	28.340	ng	# 32
37) 2-Methylnaphthalene	8.80	142	1068079	64.622	ng	# 99
38) 1-Methylnaphthalene	8.80	142	1068079	68.676	ng	# 98
46) 1,1'-Biphenyl	9.26	154	108601	4.936	ng	# 96
52) Acenaphthene	9.87	154	44822	2.706	ng	# 78
54) 2,4-Dinitrophenol	9.91	184	512	3.237	ng	# 1
55) Dibenzofuran	10.04	168	54121	2.131	ng	# 1
56) 4-Nitrophenol	9.94	139	33270	7.647	ng	# 45
57) 2,4-Dinitrotoluene	10.04	165	21993	3.446	ng	# 54
58) Fluorene	10.39	166	123956	6.332	ng	# 90
66) n-Nitrosodiphenylamine	10.50	169	121573	7.067	ng	# 55
71) Phenanthrene	11.34	178	336189	12.072	ng	# 96
72) Anthracene	11.34	178	336189	11.977	ng	# 96

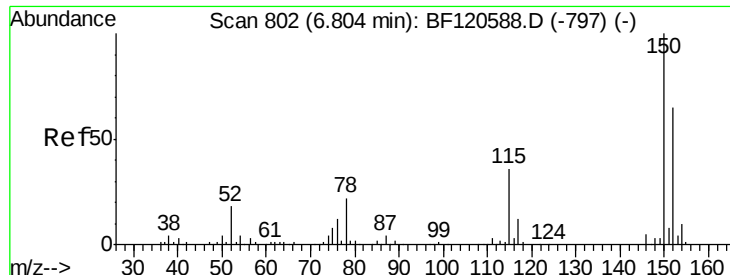
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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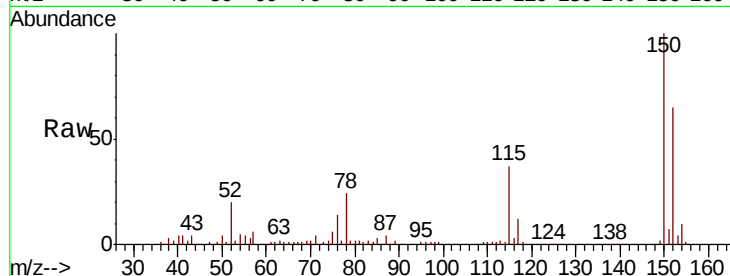


#1

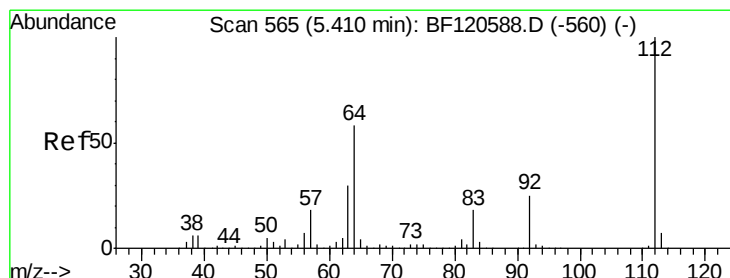
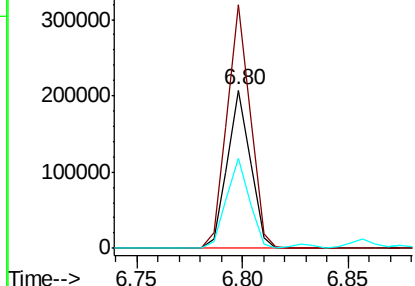
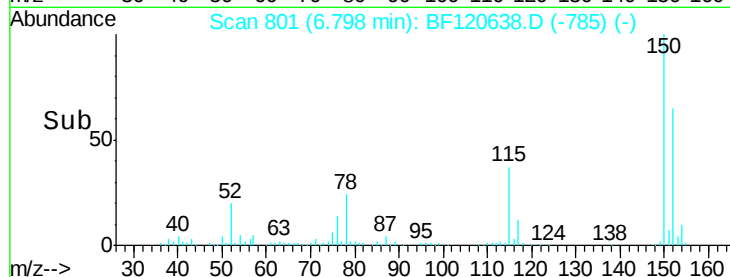
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120638.D
Acq: 17 Jun 2020 17:54

Instrument :
BNA_F
ClientSampleId :
93-94-COMPDL

Tot Ion:152 Resp: 156812
Ion Ratio Lower Upper
152 100
150 154.2 123.2 184.8
115 57.0 43.9 65.9



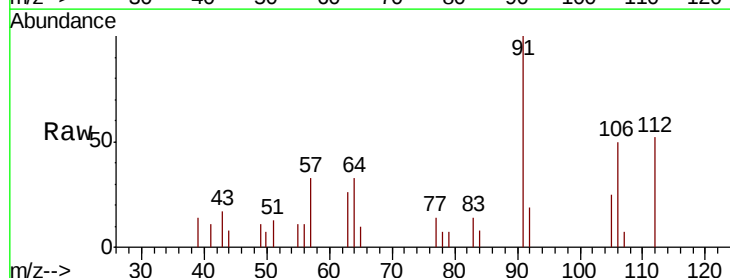
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



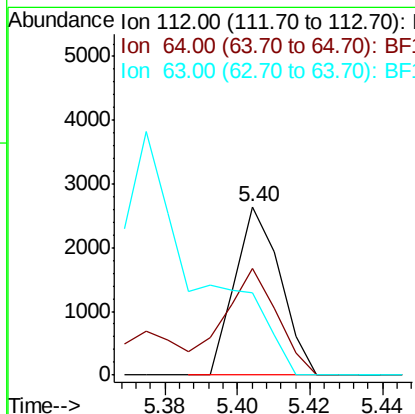
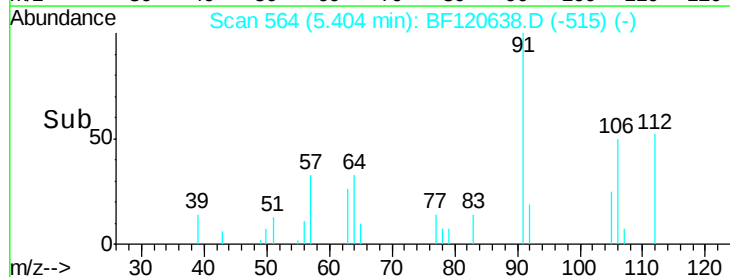
#5

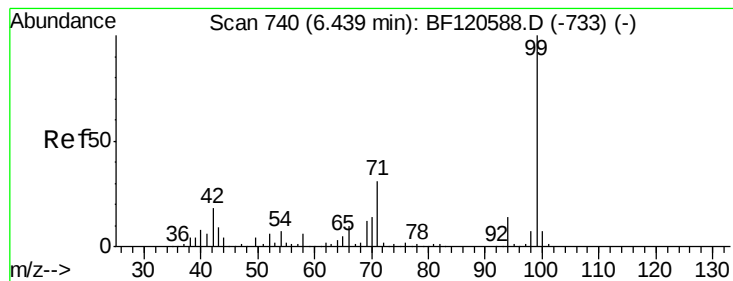
2-Fluorophenol
Concen: 0.251 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF120638.D
Acq: 17 Jun 2020 17:54

Tgt Ion:112 Resp: 2299
Ion Ratio Lower Upper
112 100
64 63.5 46.1 69.1
63 49.1 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: 0.419 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF120638.D

Acq: 17 Jun 2020 17:54

Instrument :

BNA_F

ClientSampleId :

93-94-COMPD

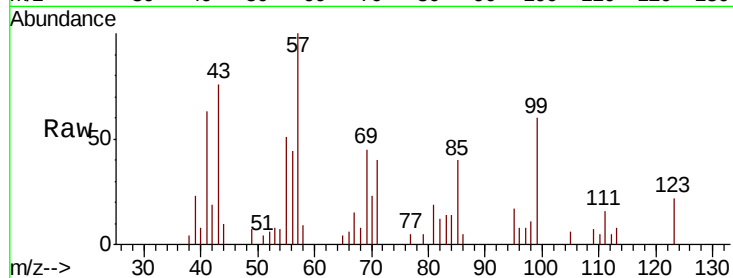
Tot Ion: 99 Resp: 4776

Ion Ratio Lower Upper

99 100

42 31.6 14.0 21.0#

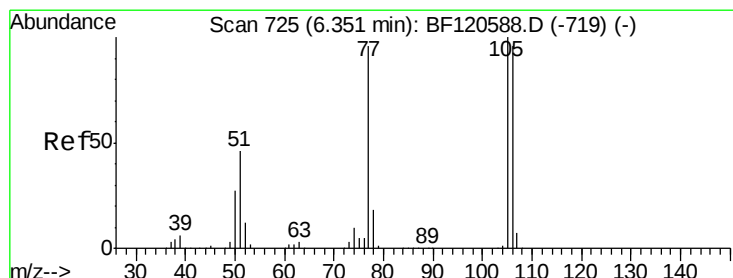
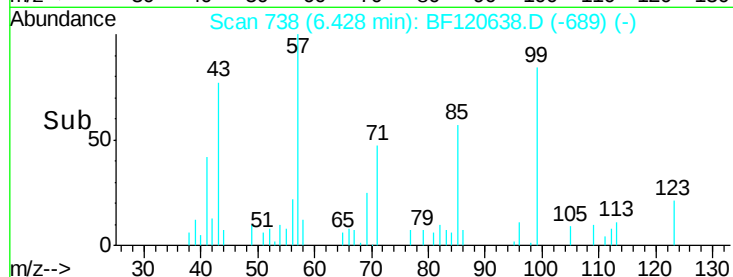
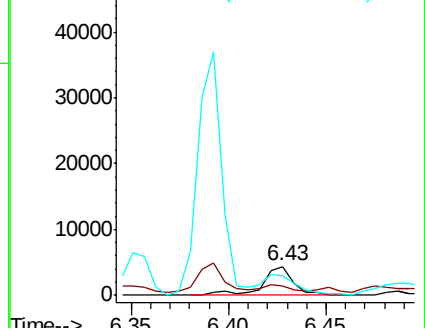
71 66.4 24.9 37.3#



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: 2.045 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.01 min

Lab File: BF120638.D

Acq: 17 Jun 2020 17:54

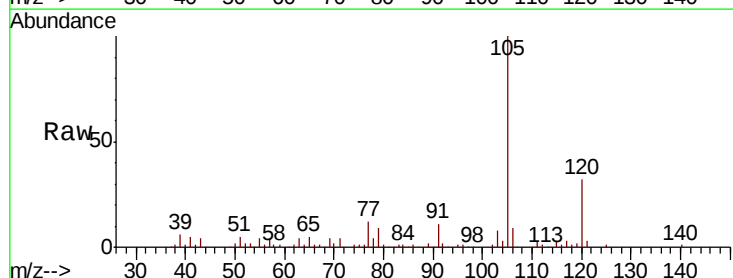
Tgt Ion: 77 Resp: 14732

Ion Ratio Lower Upper

77 100

105 867.7 83.8 123.8#

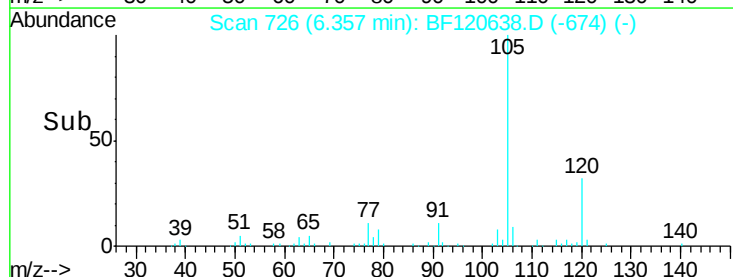
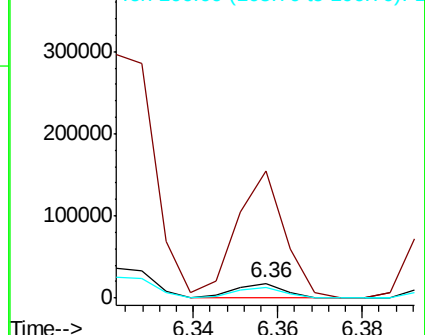
106 74.8 79.3 119.3#

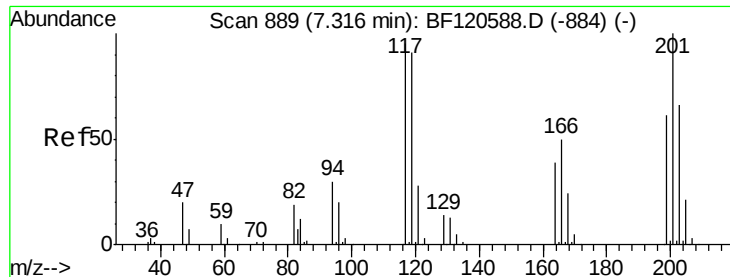


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

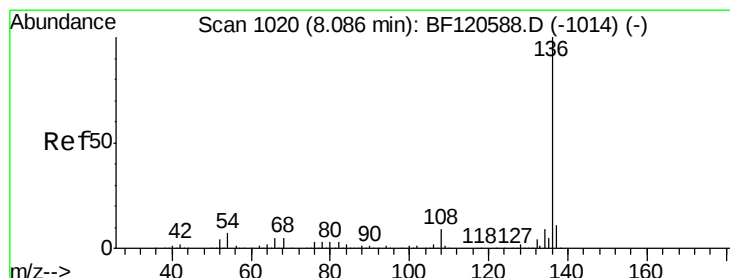
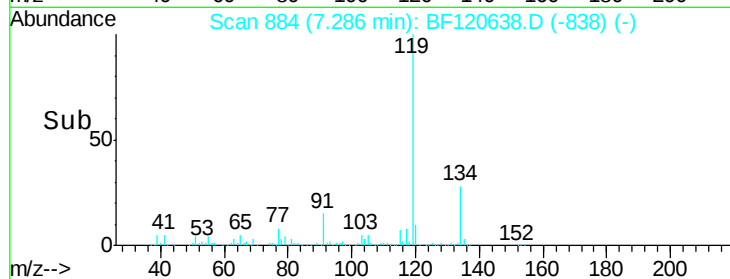
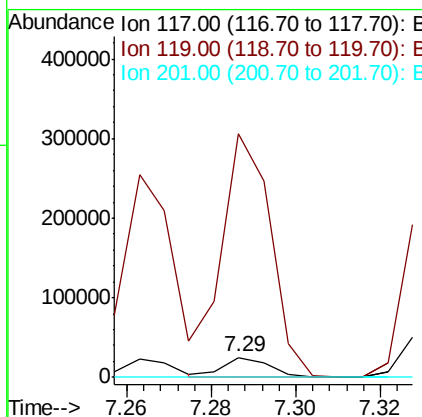
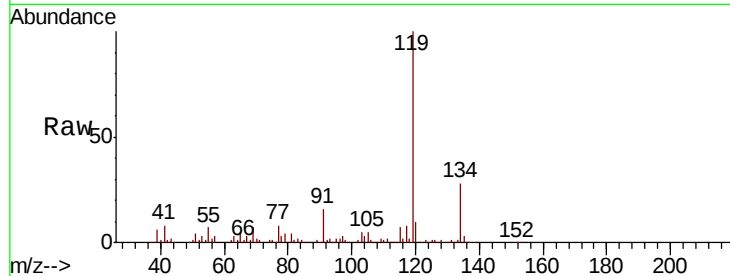




#18
Hexachloroethane
Concen: 4.848 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.03 min
Lab File: BF120638.D
Acq: 17 Jun 2020 17:54

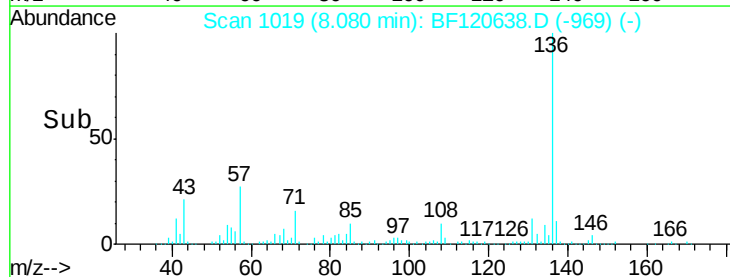
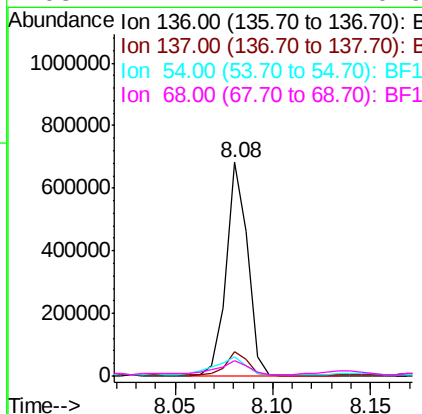
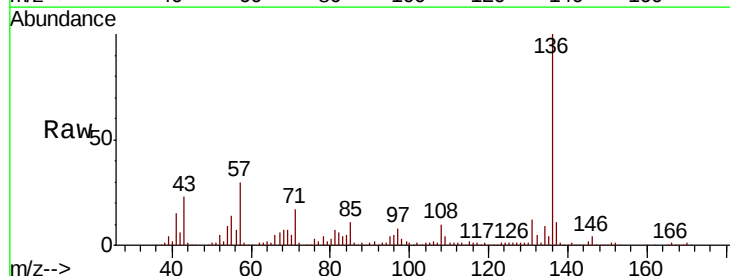
Instrument :
BNA_F
ClientSampleId :
93-94-COMPD

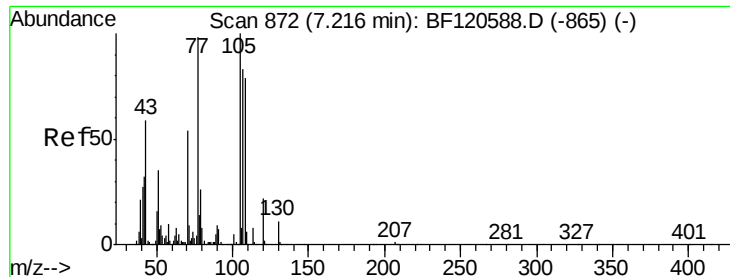
Tot Ion:117 Resp: 19368
Ion Ratio Lower Upper
117 100
119 1236.1 76.9 115.3#
201 0.0 84.6 127.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120638.D
Acq: 17 Jun 2020 17:54

Tgt Ion:136 Resp: 515614
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 8.9 5.8 8.6#
68 7.4 4.4 6.6#





#22

Acetophenone

Concen: 13.214 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.02 min

Lab File: BF120638.D

Acq: 17 Jun 2020 17:54

Instrument :

BNA_F

ClientSampleId :

93-94-COMPDL

Tot Ion:105 Resp: 152327

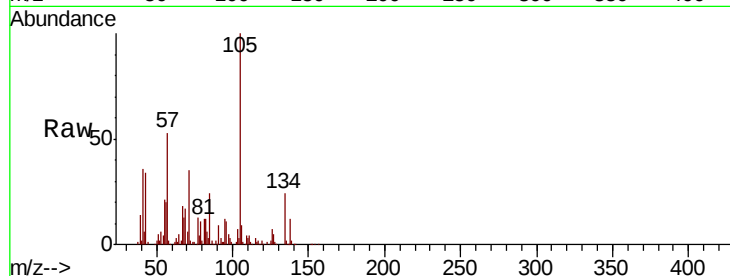
Ion Ratio Lower Upper

105 100

71 34.9 7.2 10.8#

51 4.6 27.8 41.8#

120 0.3 18.0 27.0#



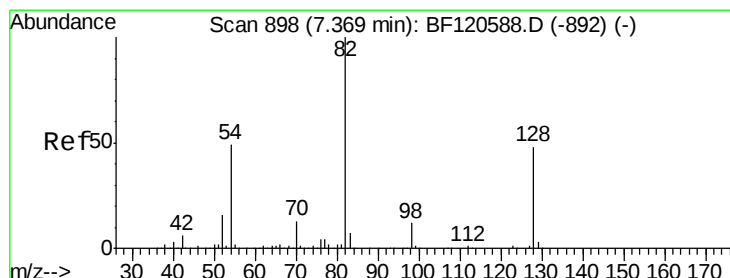
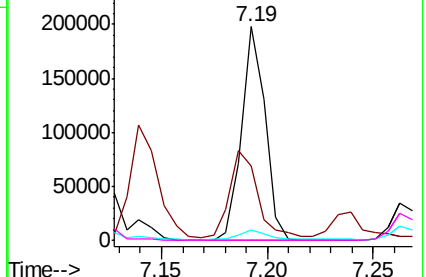
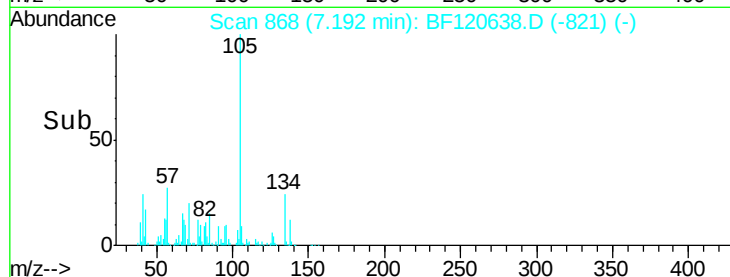
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

Time-->



#23

Nitrobenzene-d5

Concen: 1.957 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.02 min

Lab File: BF120638.D

Acq: 17 Jun 2020 17:54

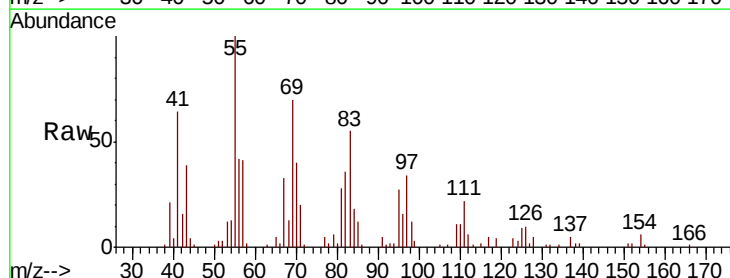
Tgt Ion: 82 Resp: 18048

Ion Ratio Lower Upper

82 100

128 13.8 38.0 57.0#

54 36.0 38.8 58.2#

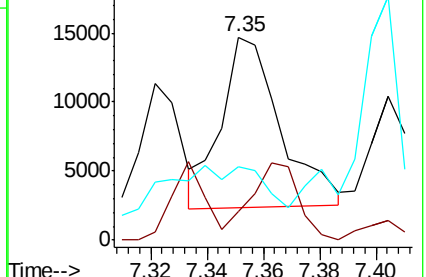
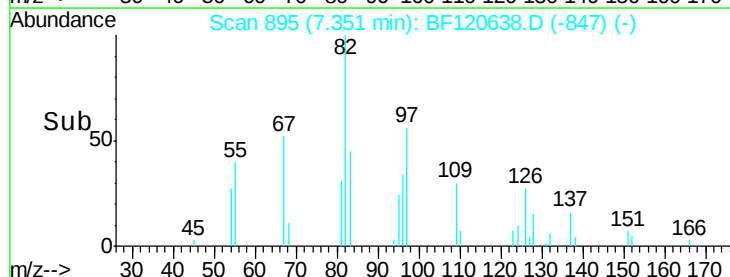


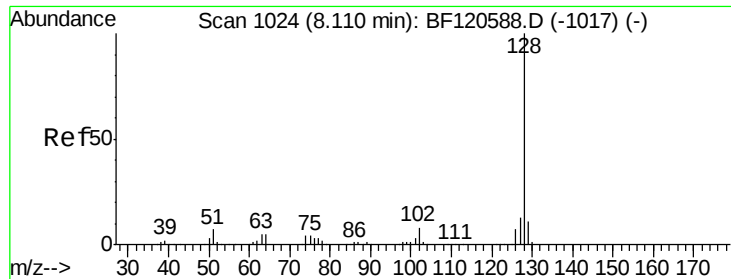
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

Time-->

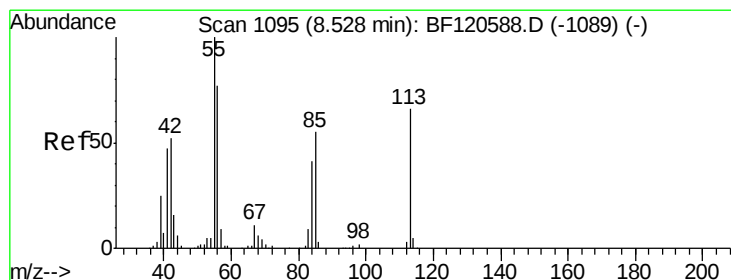
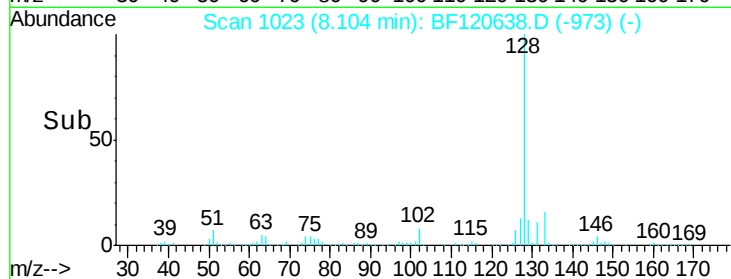
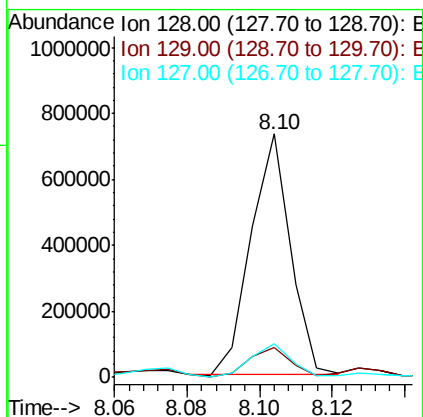
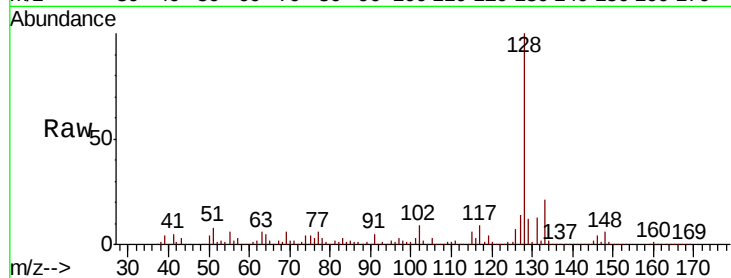




#31
Naphthalene
Concen: 21.517 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF120638.D
Acq: 17 Jun 2020 17:54

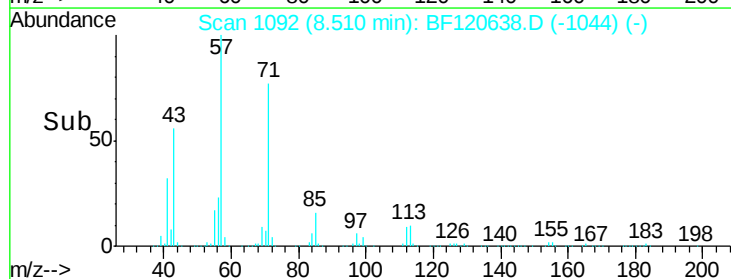
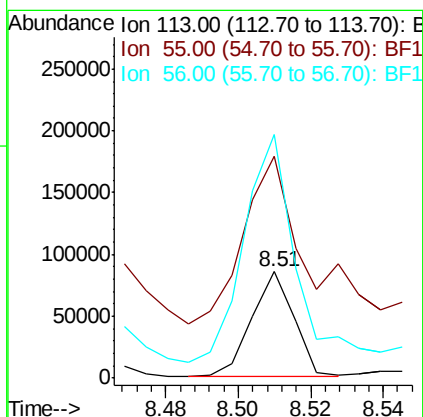
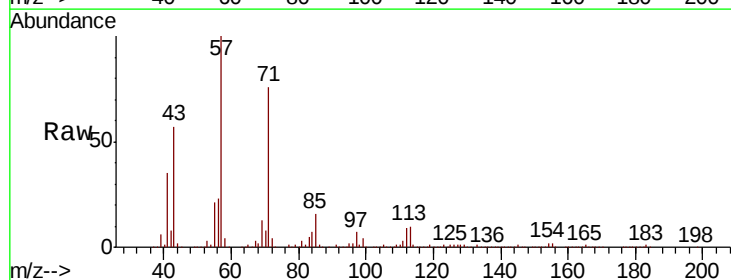
Instrument :
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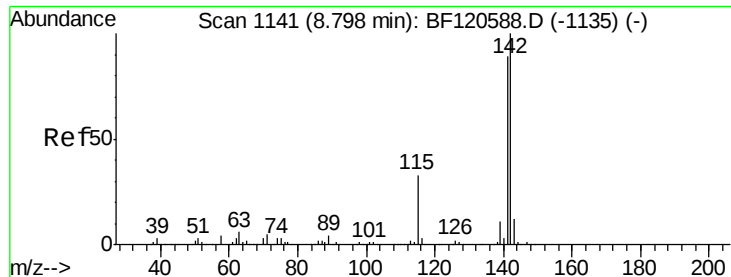
Tot Ion:128 Resp: 544783
Ion Ratio Lower Upper
128 100
129 12.5 8.8 13.2
127 13.8 10.6 15.8



#35
Caprolactam
Concen: 28.340 ng
RT: 8.51 min Scan# 1092
Delta R.T. -0.02 min
Lab File: BF120638.D
Acq: 17 Jun 2020 17:54

Tgt Ion:113 Resp: 69279
Ion Ratio Lower Upper
113 100
55 208.1 133.1 173.1#
56 228.4 98.4 138.4#

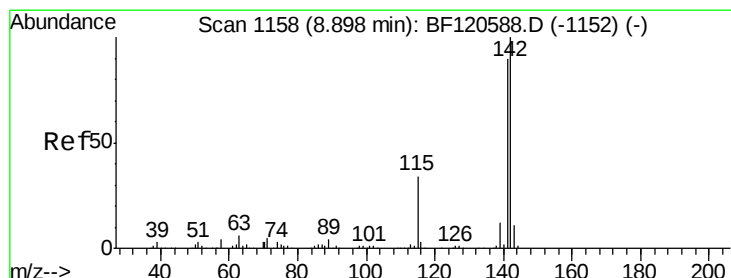
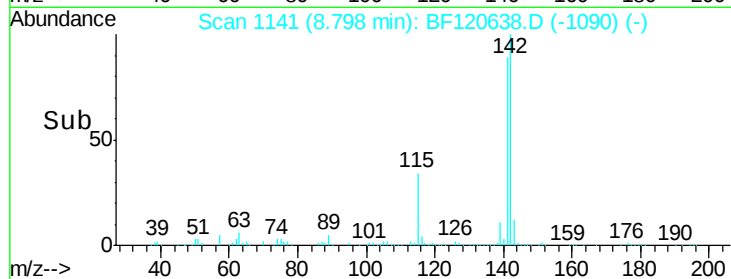
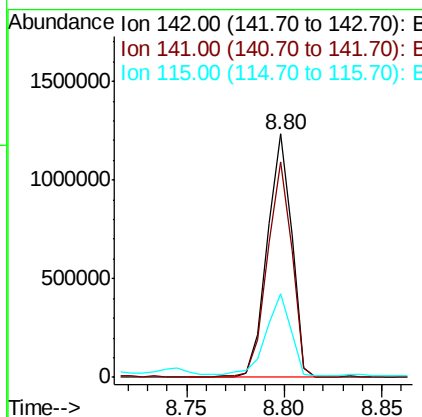
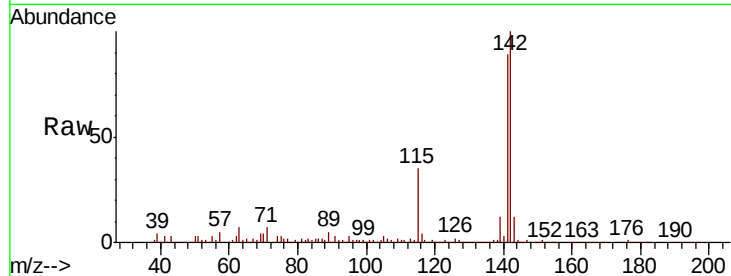




#37
2-Methylnaphthalene
Concen: 64.622 ng
RT: 8.80 min Scan# 1141
Delta R.T. 0.00 min
Lab File: BF120638.D
Acq: 17 Jun 2020 17:54

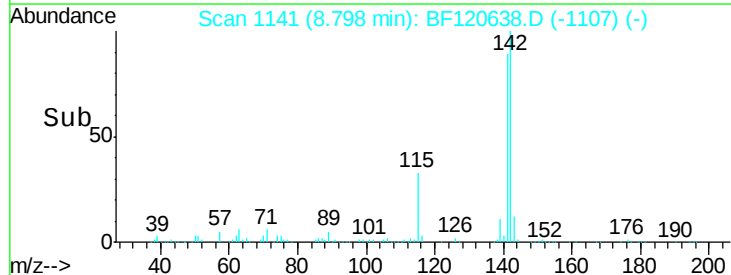
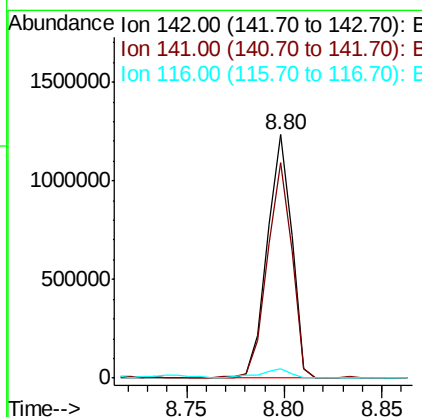
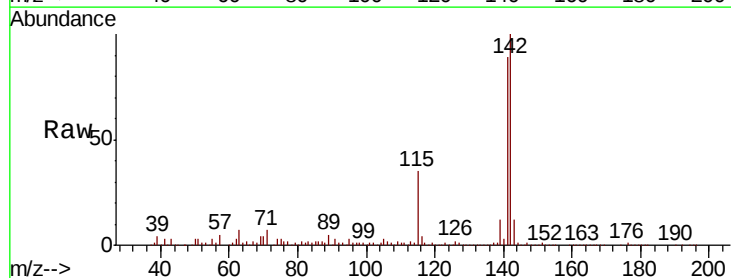
Instrument :
BNA_F
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93-94-COMPD

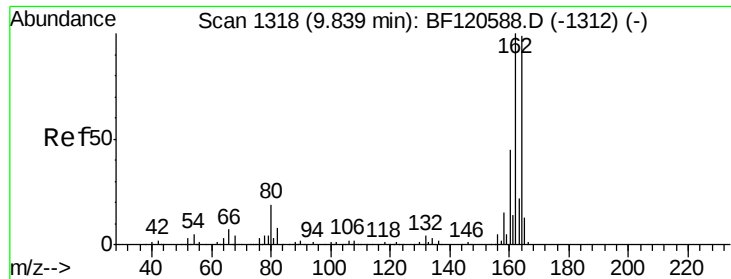
Tot Ion:142 Resp: 1068079
Ion Ratio Lower Upper
142 100
141 88.7 71.4 107.0
115 34.6 26.1 39.1



#38
1-Methylnaphthalene
Concen: 68.676 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.10 min
Lab File: BF120638.D
Acq: 17 Jun 2020 17:54

Tgt Ion:142 Resp: 1068079
Ion Ratio Lower Upper
142 100
141 88.7 72.1 108.1
116 3.8 2.7 4.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF120638.D

Acq: 17 Jun 2020 17:54

Instrument :

BNA_F

ClientSampleId :

93-94-COMPDL

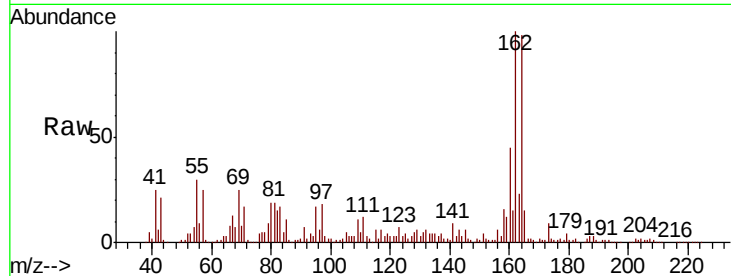
Tot Ion:164 Resp: 294665

Ion Ratio Lower Upper

164 100

162 101.6 80.6 120.8

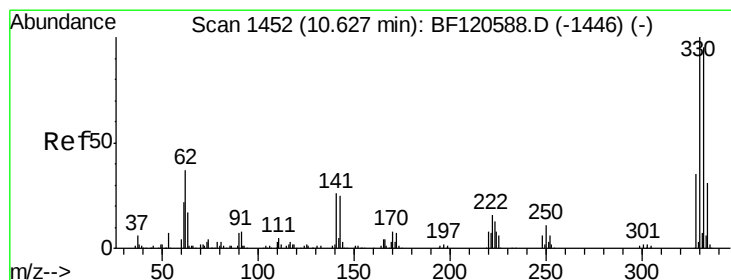
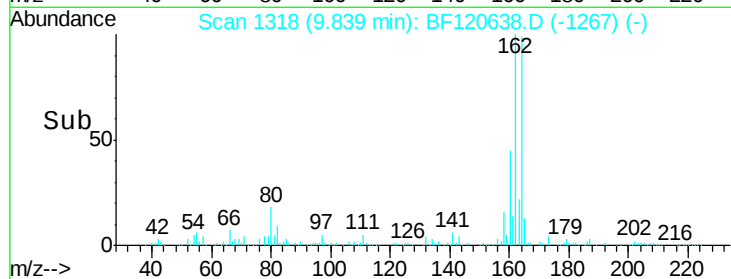
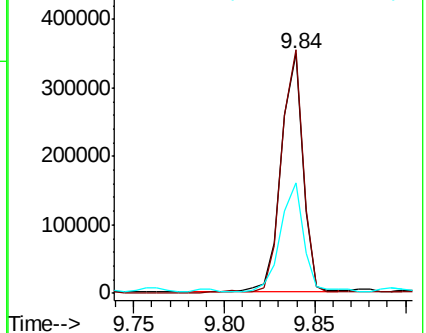
160 46.0 36.2 54.2



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: 0.574 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF120638.D

Acq: 17 Jun 2020 17:54

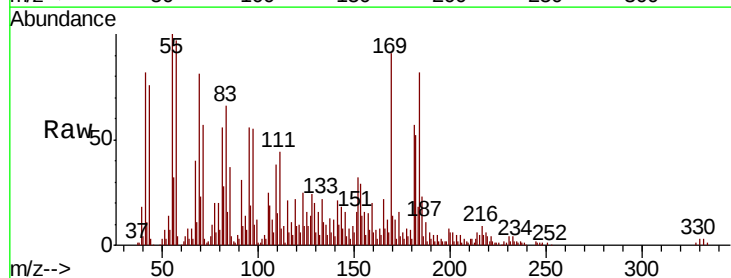
Tgt Ion:330 Resp: 1967

Ion Ratio Lower Upper

330 100

332 95.6 76.8 115.2

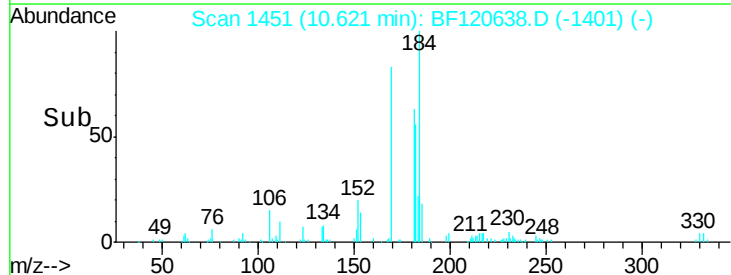
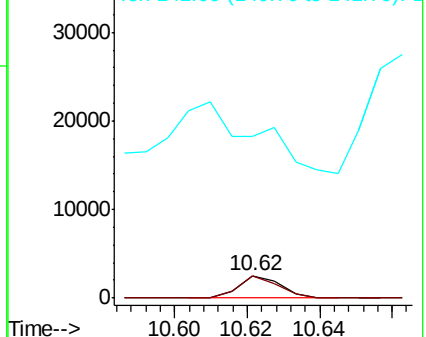
141 623.5 23.2 34.8#

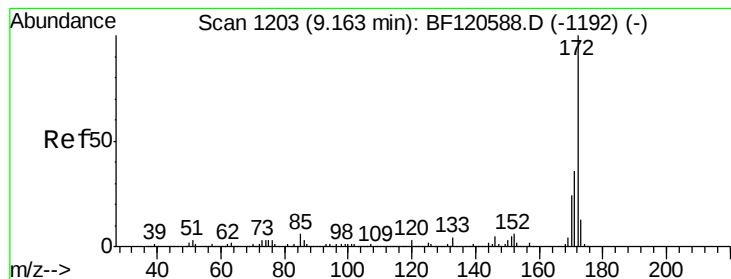


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 0.691 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF120638.D

Acq: 17 Jun 2020 17:54

Instrument :

BNA_F

ClientSampleId :

93-94-COMPDL

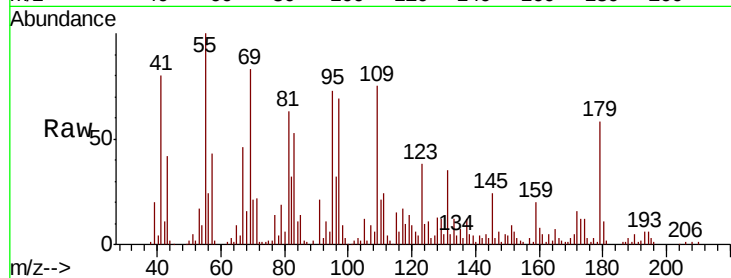
Tot Ion:172 Resp: 13302

Ion Ratio Lower Upper

172 100

171 33.5 29.0 43.4

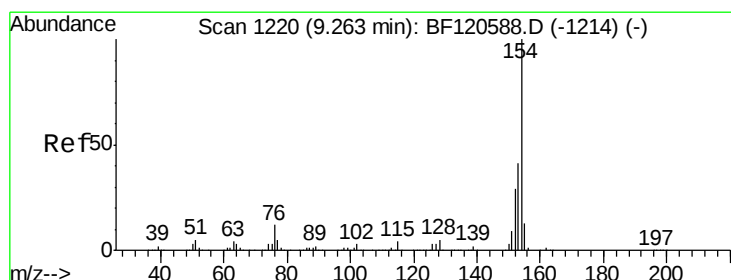
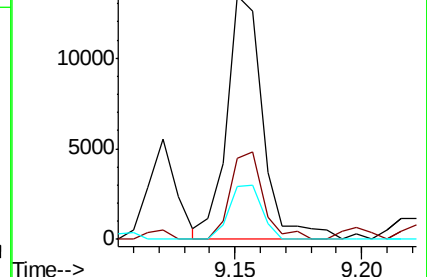
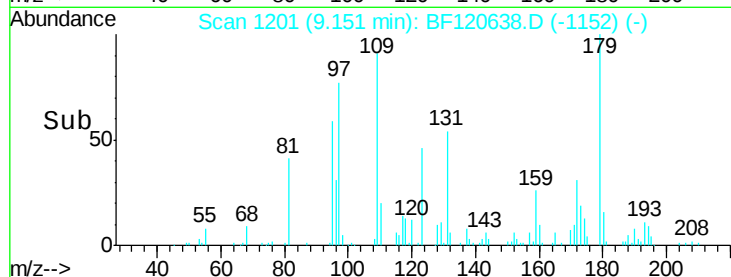
170 21.6 19.4 29.2



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



#46

1,1'-Biphenyl

Concen: 4.936 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BF120638.D

Acq: 17 Jun 2020 17:54

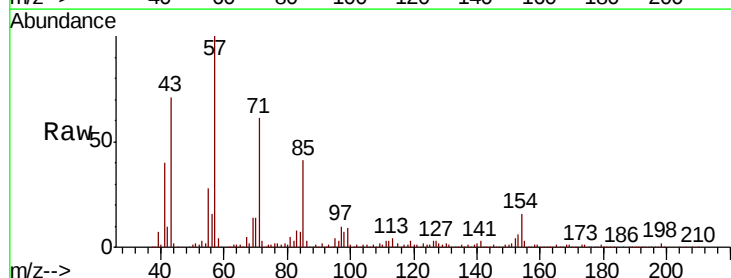
Tgt Ion:154 Resp: 108601

Ion Ratio Lower Upper

154 100

153 38.5 21.4 61.4

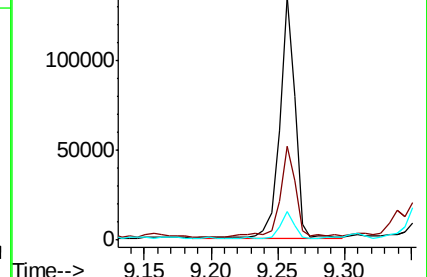
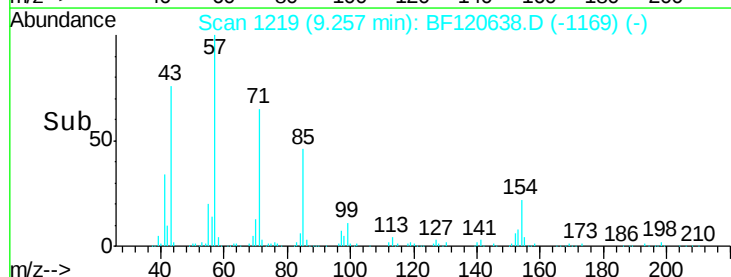
76 11.7 0.0 31.6

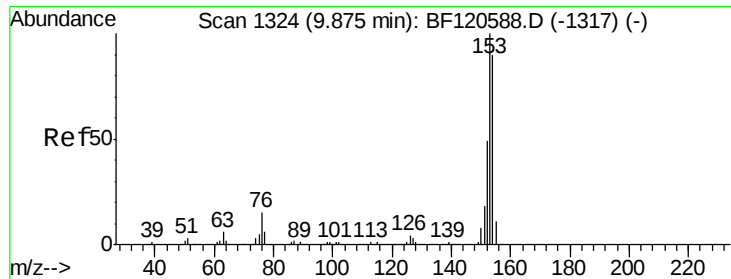


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#52

Acenaphthene

Concen: 2.706 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF120638.D

Acq: 17 Jun 2020 17:54

Instrument :

BNA_F

ClientSampleId :

93-94-COMPD

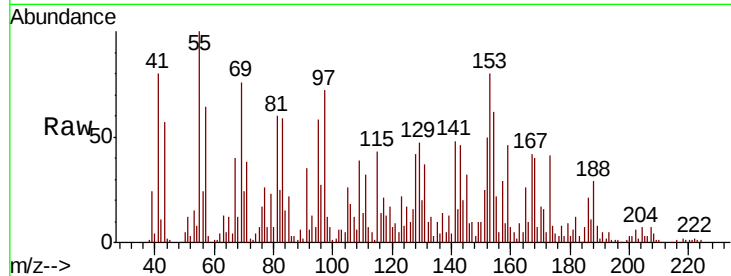
Tot Ion:154 Resp: 44822

Ion Ratio Lower Upper

154 100

153 128.2 89.1 133.7

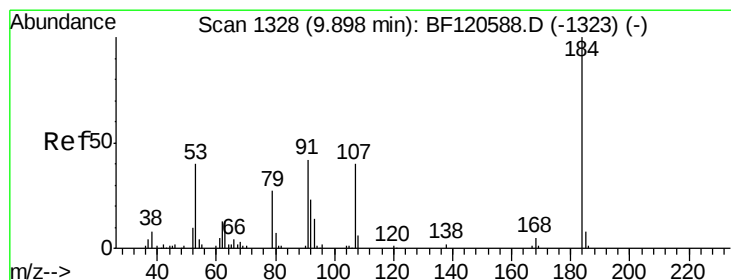
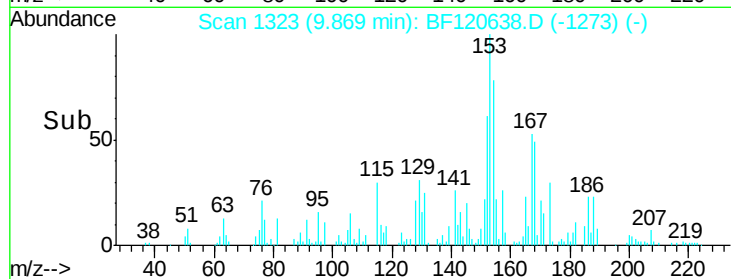
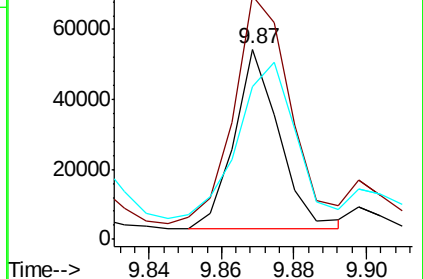
152 80.4 43.7 65.5#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

2,4-Dinitrophenol

Concen: 3.237 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.01 min

Lab File: BF120638.D

Acq: 17 Jun 2020 17:54

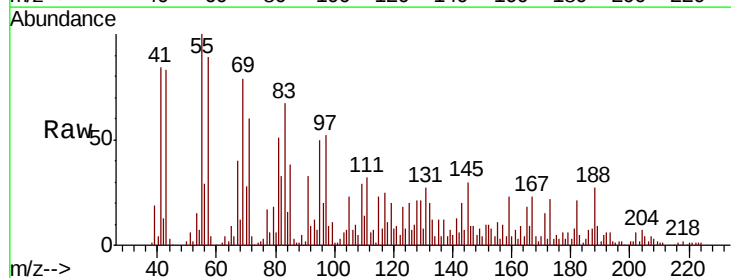
Tgt Ion:184 Resp: 512

Ion Ratio Lower Upper

184 100

63 780.9 44.2 66.2#

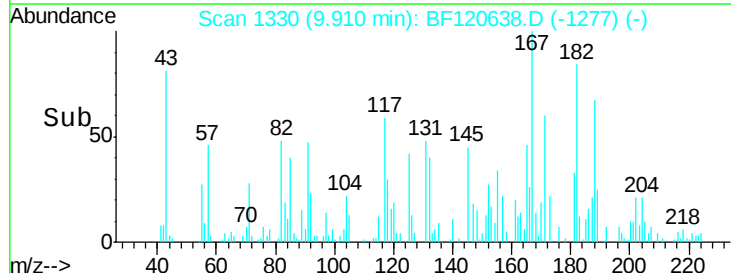
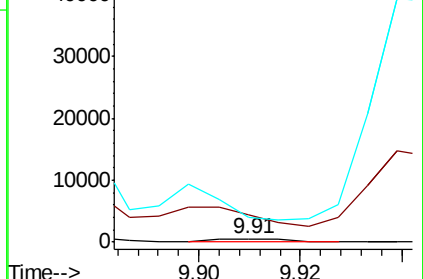
154 711.0 45.9 68.9#

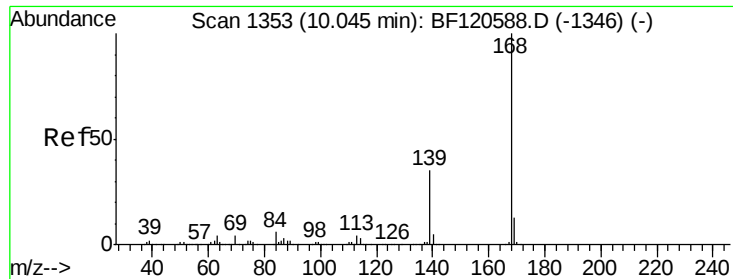


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 2.131 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BF120638.D

Acq: 17 Jun 2020 17:54

Instrument :

BNA_F

ClientSampleId :

93-94-COMPDL

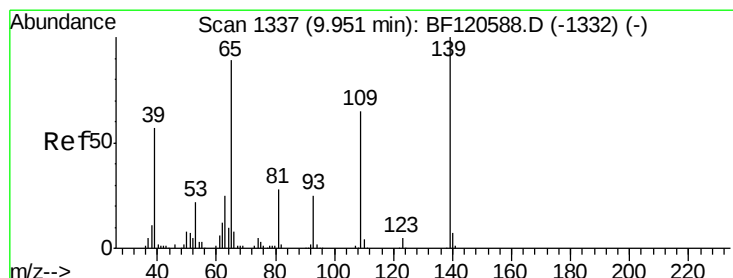
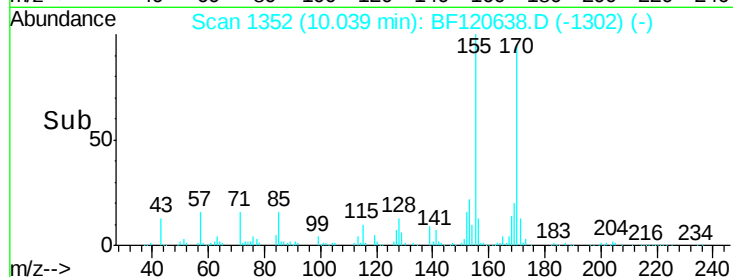
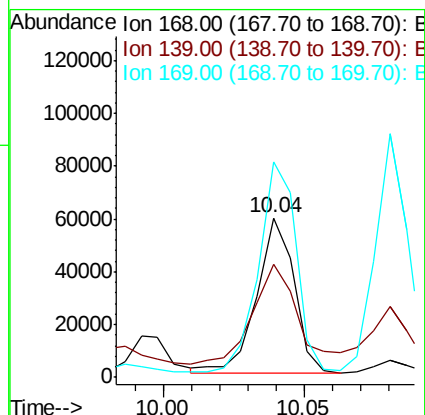
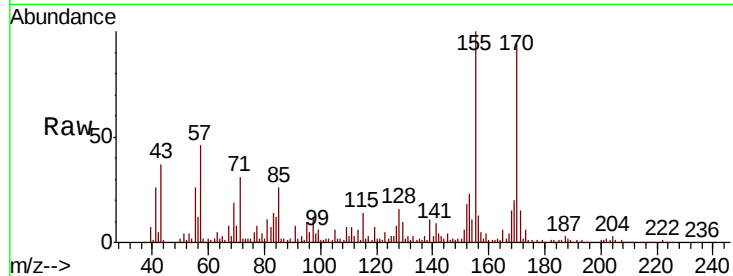
Tot Ion:168 Resp: 54121

Ion Ratio Lower Upper

168 100

139 71.3 28.1 42.1#

169 135.7 10.6 16.0#



#56

4-Nitrophenol

Concen: 7.647 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF120638.D

Acq: 17 Jun 2020 17:54

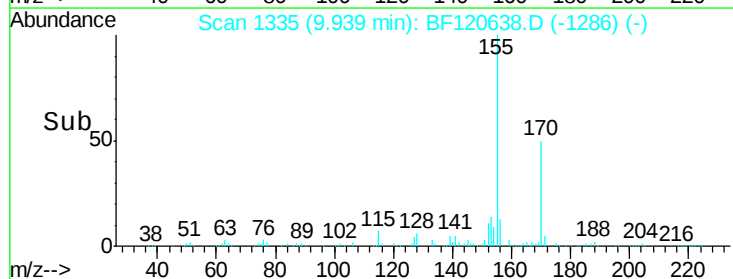
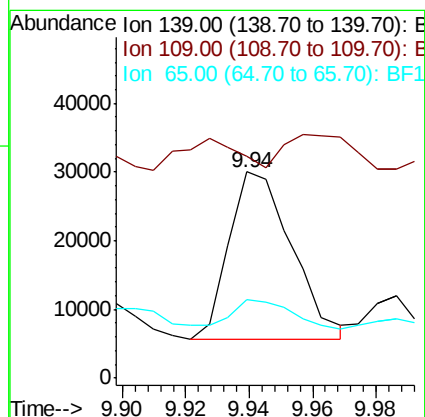
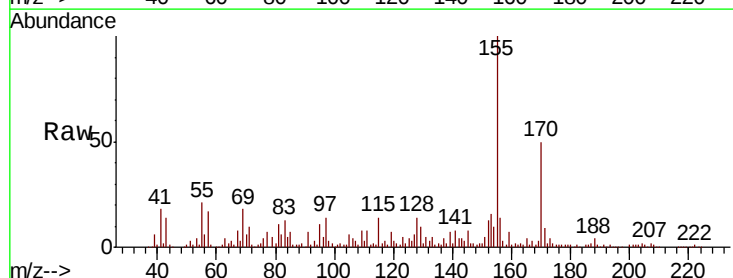
Tgt Ion:139 Resp: 33270

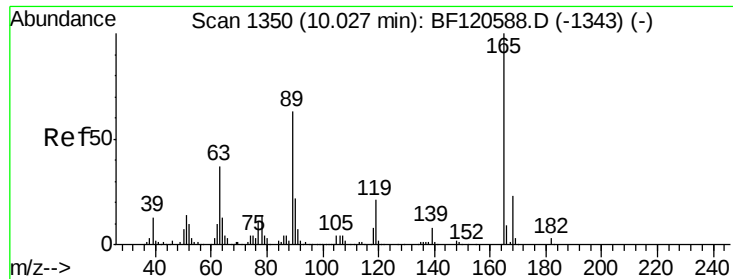
Ion Ratio Lower Upper

139 100

109 107.7 44.6 84.6#

65 38.0 69.2 109.2#

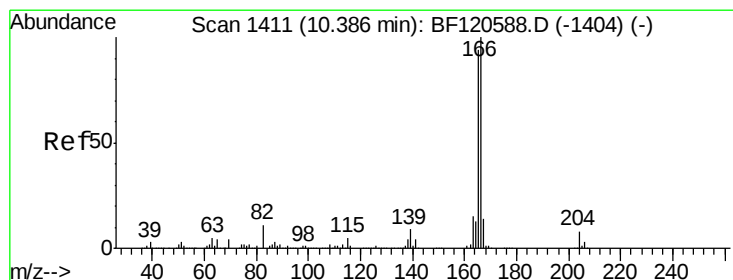
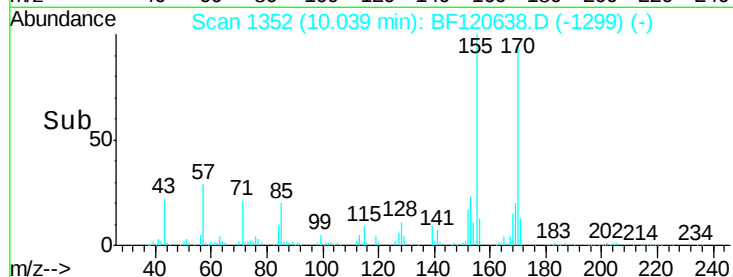
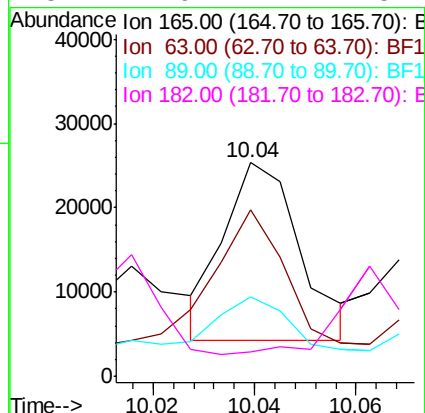
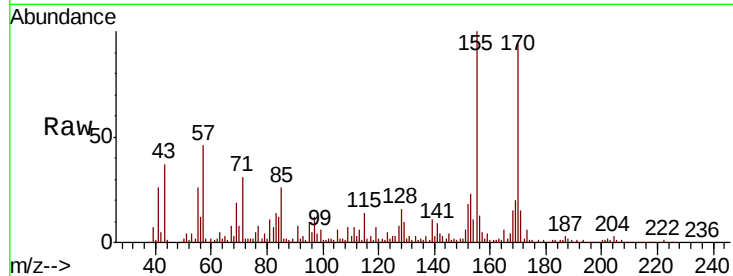




#57
2,4-Dinitrotoluene
Concen: 3.446 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BF120638.D
Acq: 17 Jun 2020 17:54

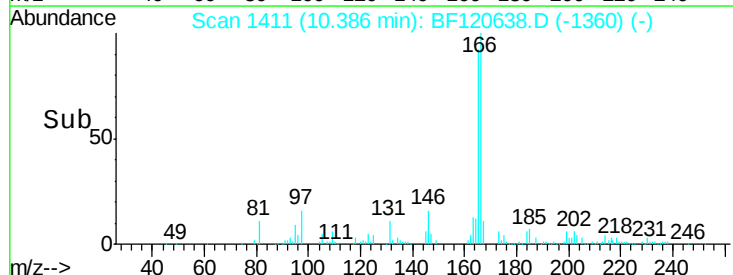
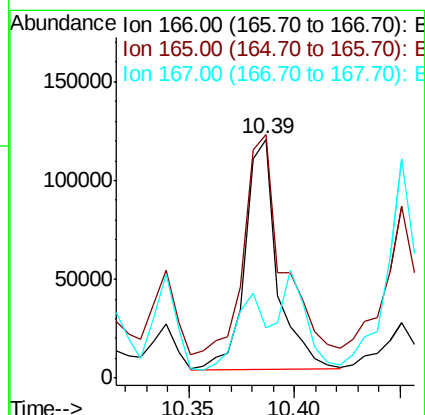
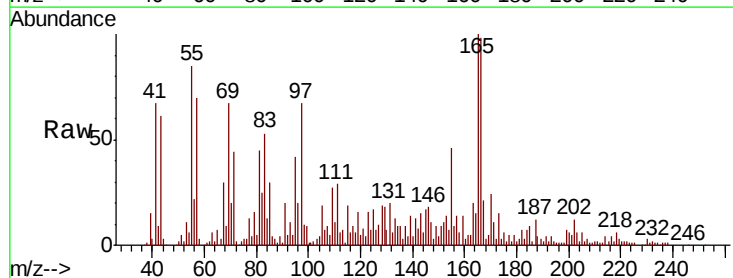
Instrument :
BNA_F
ClientSampleId :
93-94-COMPDL

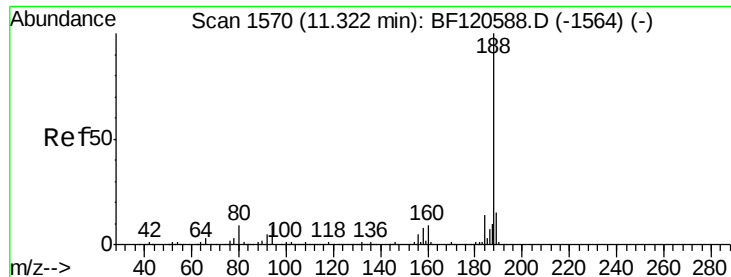
Tot Ion:165 Resp: 21993
Ion Ratio Lower Upper
165 100
63 77.8 29.8 44.8#
89 36.9 50.4 75.6#
182 11.6 2.1 3.1#



#58
Fluorene
Concen: 6.332 ng
RT: 10.39 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BF120638.D
Acq: 17 Jun 2020 17:54

Tgt Ion:166 Resp: 123956
Ion Ratio Lower Upper
166 100
165 102.0 75.0 112.6
167 21.0 11.0 16.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF120638.D

Acq: 17 Jun 2020 17:54

Instrument :

BNA_F

ClientSampleId :

93-94-COMPDL

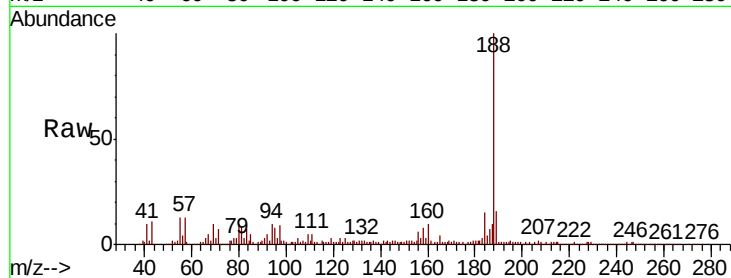
Tot Ion:188 Resp: 560215

Ion Ratio Lower Upper

188 100

94 9.8 7.2 10.8

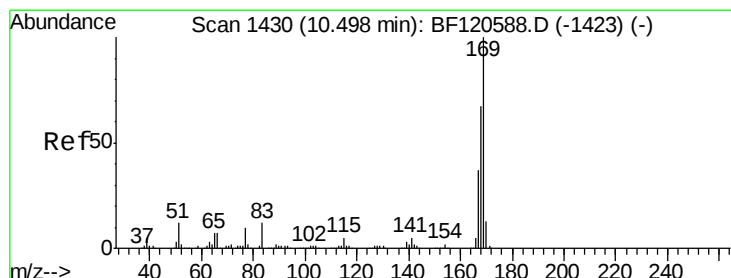
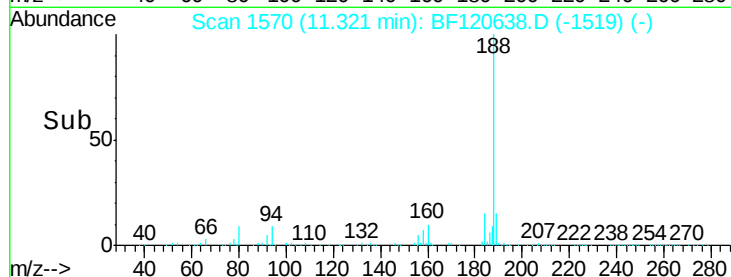
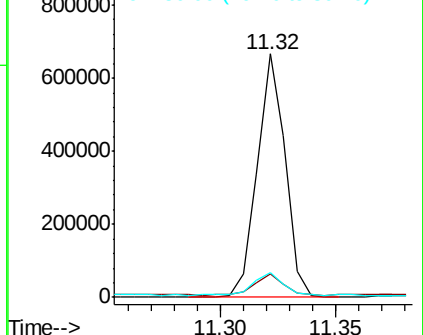
80 10.0 7.4 11.2



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



#66

n-Nitrosodiphenylamine

Concen: 7.067 ng

RT: 10.50 min Scan# 1430

Delta R.T. 0.00 min

Lab File: BF120638.D

Acq: 17 Jun 2020 17:54

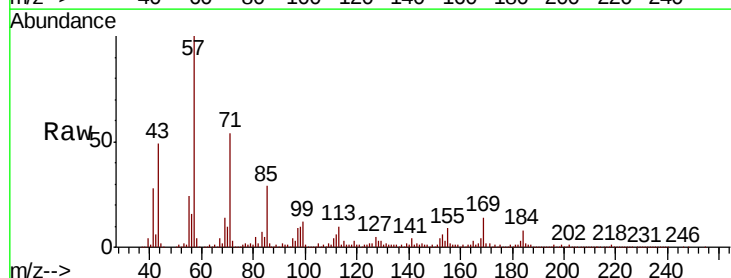
Tgt Ion:169 Resp: 121573

Ion Ratio Lower Upper

169 100

168 29.6 53.7 80.5#

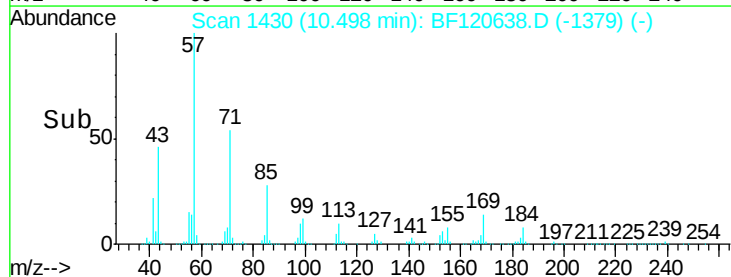
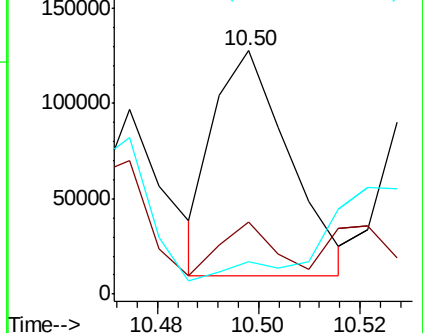
167 13.1 29.9 44.9#

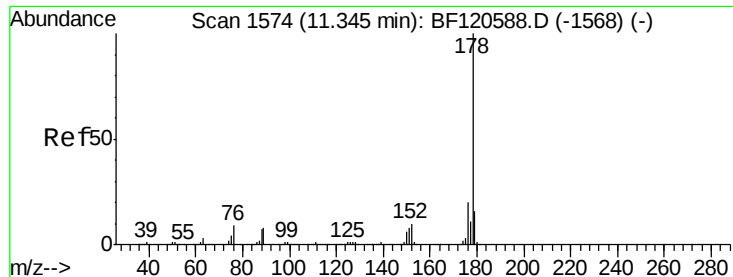


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

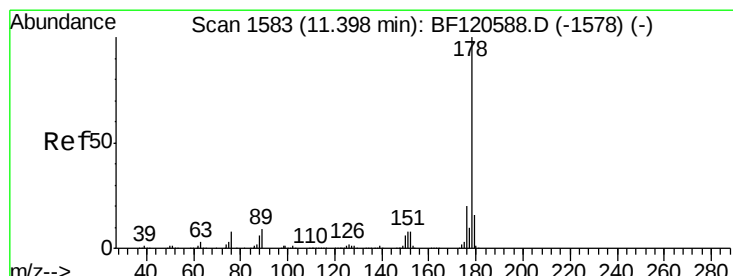
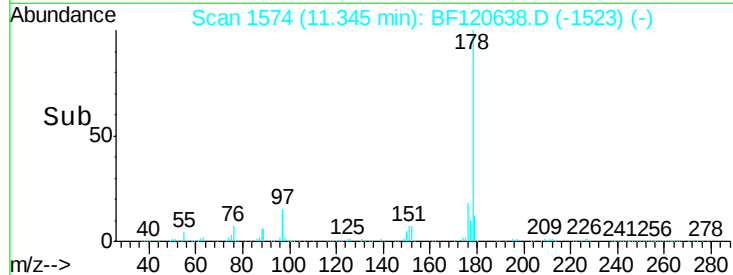
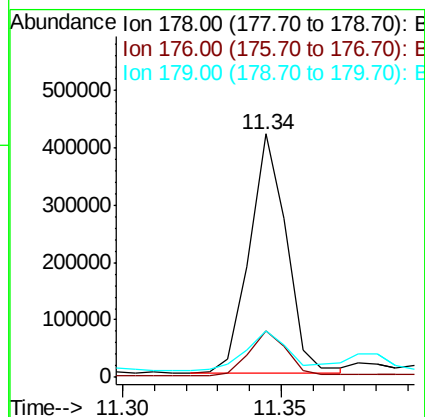
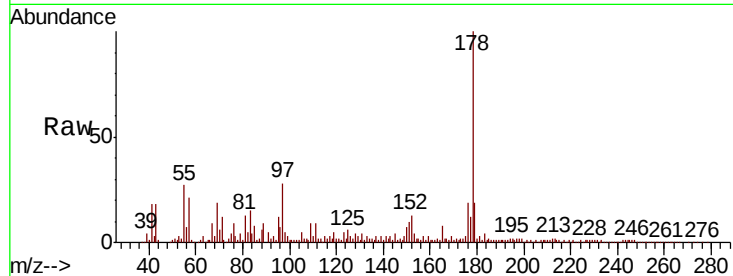




#71
Phenanthrene
Concen: 12.072 ng
RT: 11.34 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF120638.D
Acq: 17 Jun 2020 17:54

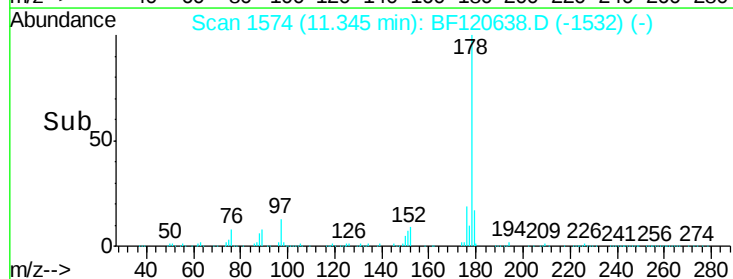
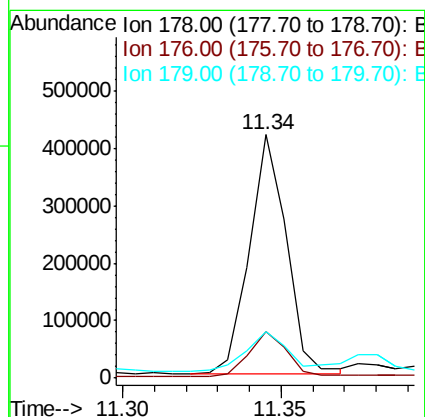
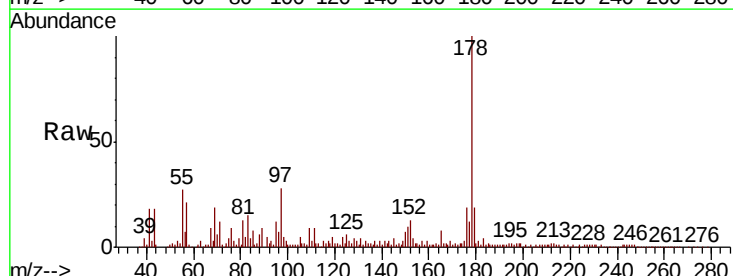
Instrument :
BNA_F
ClientSampleId :
93-94-COMPDL

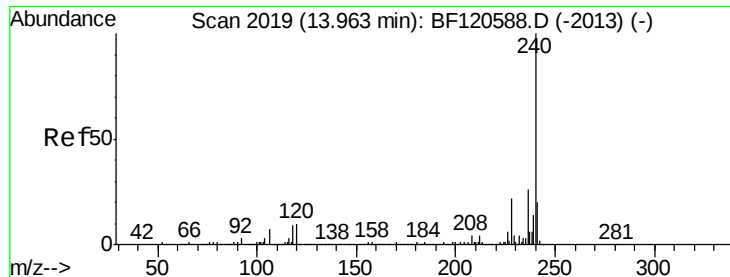
Tot Ion:178 Resp: 336189
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 19.1 12.8 19.2



#72
Anthracene
Concen: 11.977 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.05 min
Lab File: BF120638.D
Acq: 17 Jun 2020 17:54

Tgt Ion:178 Resp: 336189
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 19.1 12.9 19.3

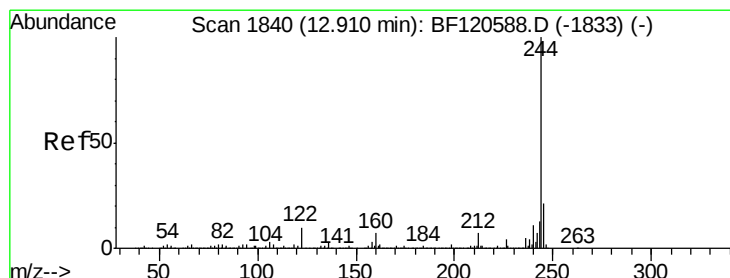
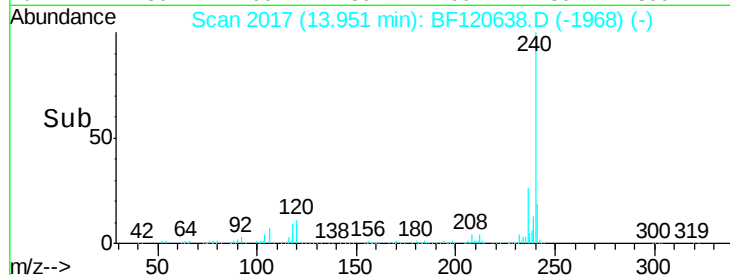
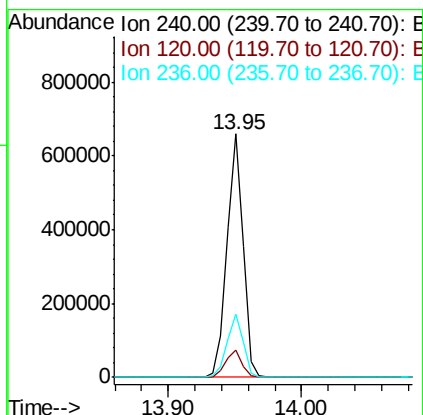
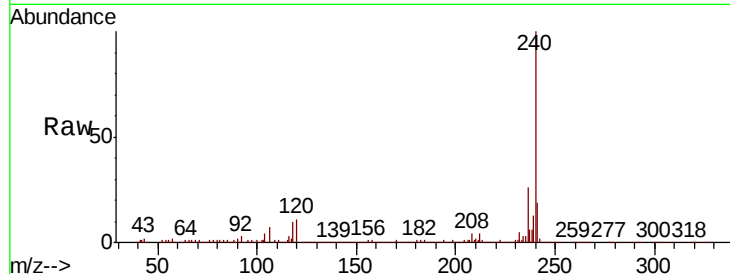




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF120638.D
 Acq: 17 Jun 2020 17:54

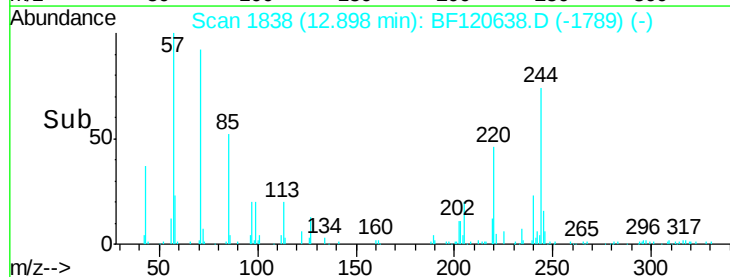
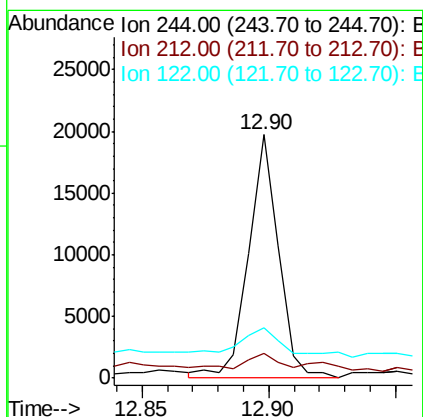
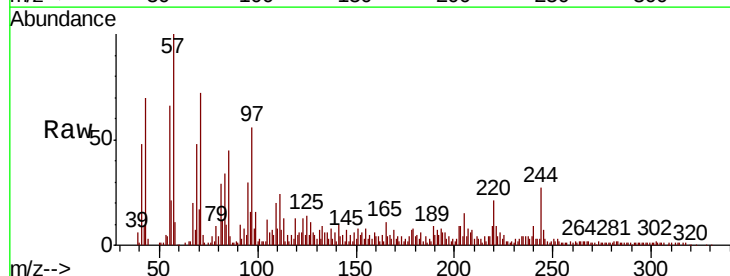
Instrument :
 BNA_F
 ClientSampleId :
 93-94-COMPDL

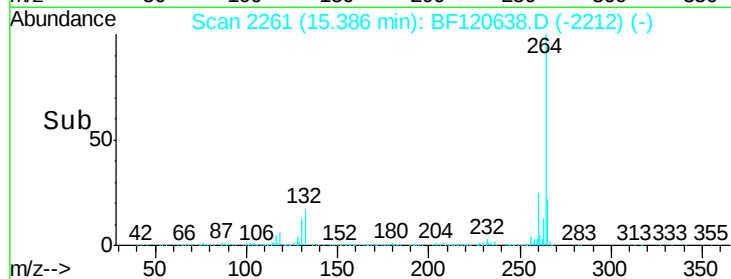
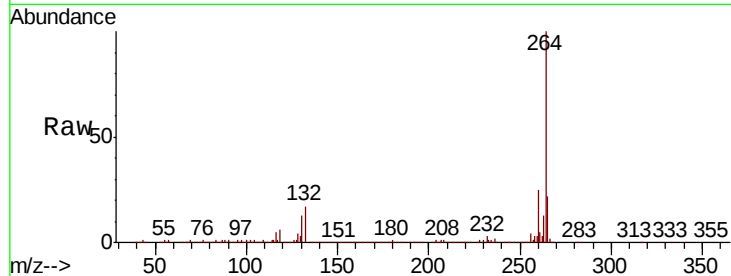
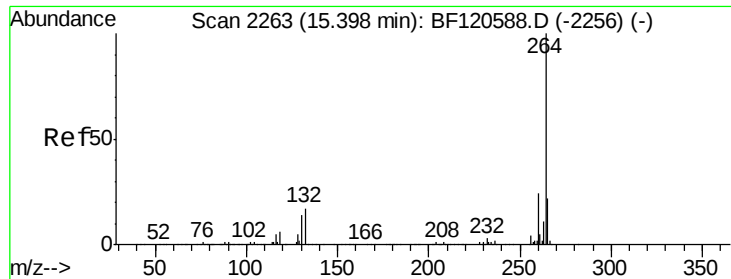
Tot Ion:240 Resp: 562757
 Ion Ratio Lower Upper
 240 100
 120 11.0 8.3 12.5
 236 26.1 21.0 31.4



#79
 Terphenyl-d14
 Concen: 0.641 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF120638.D
 Acq: 17 Jun 2020 17:54

Tgt Ion:244 Resp: 16330
 Ion Ratio Lower Upper
 244 100
 212 10.2 5.7 8.5#
 122 20.7 8.3 12.5#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF120638.D
Acq: 17 Jun 2020 17:54

Instrument :
BNA_F
ClientSampleId :
93-94-COMPDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.3	28.9
265	21.7	17.8	26.8

