

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061920\
 Data File : BF120670.D
 Acq On : 19 Jun 2020 18:19
 Operator : JU/CG
 Sample : L3020-17
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-27(16.5-18.5)

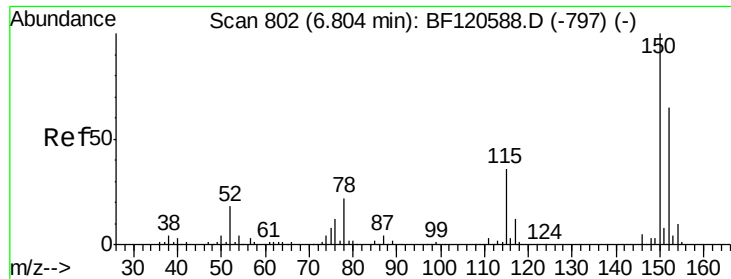
Quant Time: Jun 20 00:45:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	108317	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	286963	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	238024	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	507514	20.00	ng	0.00
76) Chrysene-d12	13.96	240	428823	20.00	ng	0.00
86) Perylene-d12	15.40	264	494534	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	704864	111.57	ng	0.00
7) Phenol-d6	6.43	99	777214	98.77	ng	0.00
23) Nitrobenzene-d5	7.37	82	504892	98.35	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	309980	112.01	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1155242	74.26	ng	0.00
79) Terphenyl-d14	12.91	244	1442730	74.32	ng	0.00

Target Compounds				Qvalue		
4) n-Nitrosodimethylamine	3.21	42	11635	3.331	ng	# 1
9) Benzaldehyde	6.37	77	178507	35.865	ng	# 1
15) Benzyl Alcohol	6.96	79	20371	3.650	ng	# 50
18) Hexachloroethane	7.30	117	112898	40.914	ng	# 1
19) n-Nitroso-di-n-propylamine	7.20	70	32269	7.070	ng	# 59
22) Acetophenone	7.20	105	958403	149.387	ng	# 53
24) Nitrobenzene	7.39	77	82023	15.268	ng	# 13
25) Isophorone	7.62	82	22042	2.204	ng	# 1
29) 2,4-Dichlorophenol	7.94	162	9537	2.242	ng	# 1
31) Naphthalene	8.12	128	2630790	186.702	ng	# 96
33) 4-Chloroaniline	8.12	127	468600	72.453	ng	# 41
35) Caprolactam	8.55	113	8248	6.062	ng	# 1
37) 2-Methylnaphthalene	8.81	142	2120835	230.561	ng	# 96
38) 1-Methylnaphthalene	8.90	142	1250649	144.489	ng	# 97
46) 1,1'-Biphenyl	9.26	154	97903	5.508	ng	# 98
50) Dimethylphthalate	9.55	163	278588	16.251	ng	# 98
54) 2,4-Dinitrophenol	10.12	184	586	3.310	ng	# 55
67) 4-Bromophenyl-phenylether	10.62	248	17773	3.086	ng	# 1

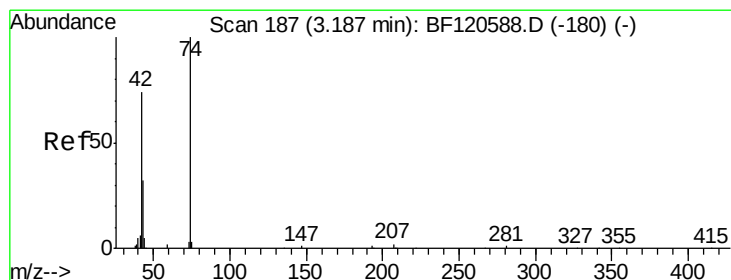
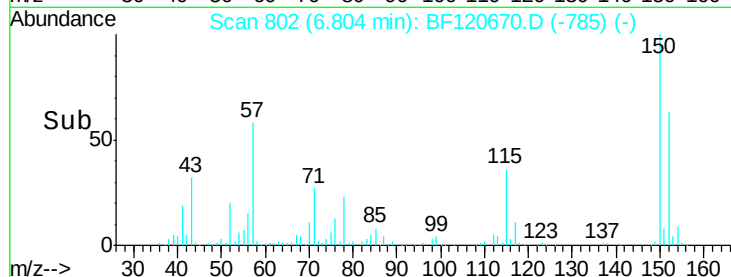
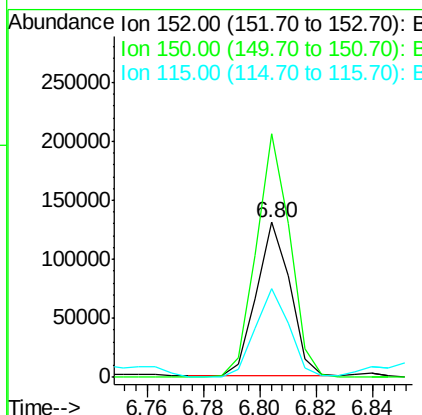
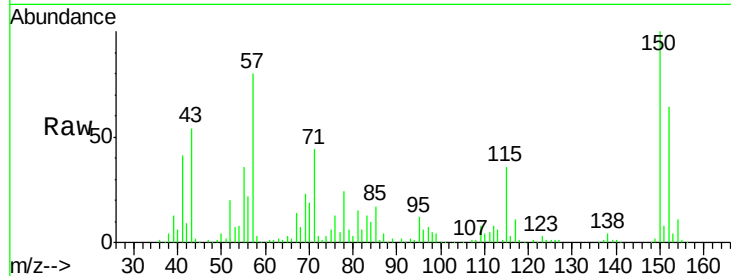
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: BF120670.D
 Acq: 19 Jun 2020 18:19

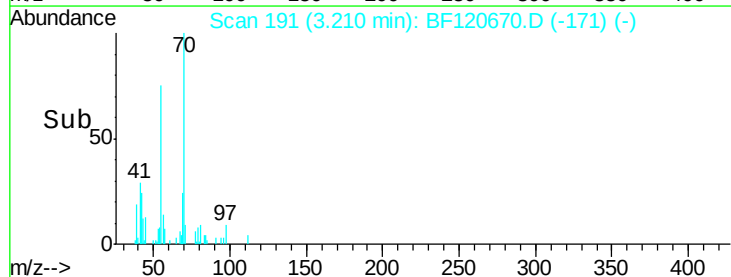
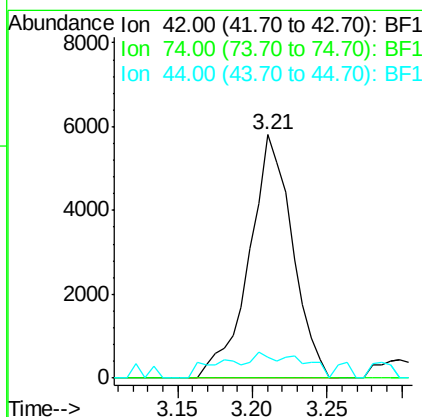
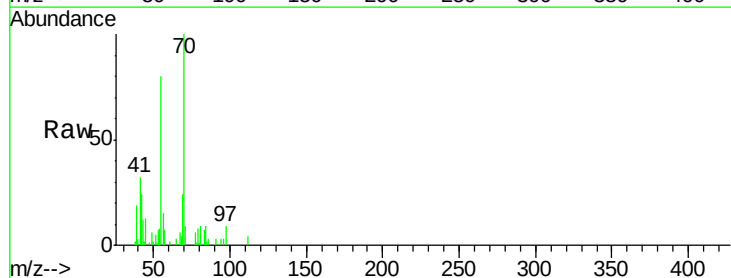
Instrument :
 BNA_F
 ClientSampleId :
 MW-27(16.5-18.5)

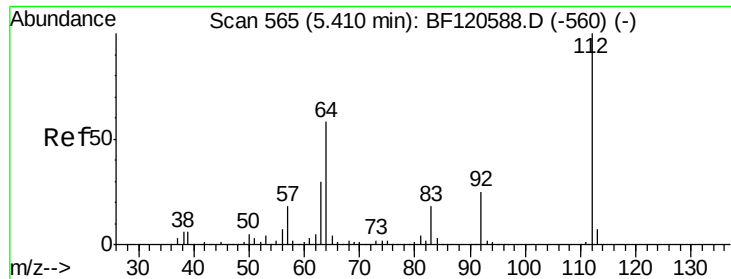
Tot Ion:152 Resp: 108317
 Ion Ratio Lower Upper
 152 100
 150 157.0 123.2 184.8
 115 57.2 43.9 65.9



#4
 n-Nitrosodimethylamine
 Concen: 3.331 ng
 RT: 3.21 min Scan# 191
 Delta R.T. 0.02 min
 Lab File: BF120670.D
 Acq: 19 Jun 2020 18:19

Tgt Ion: 42 Resp: 11635
 Ion Ratio Lower Upper
 42 100
 74 0.0 107.8 161.6#
 44 8.8 5.1 7.7#





#5

2-Fluorophenol

Concen: 111.567 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: BF120670.D

Acq: 19 Jun 2020 18:19

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)

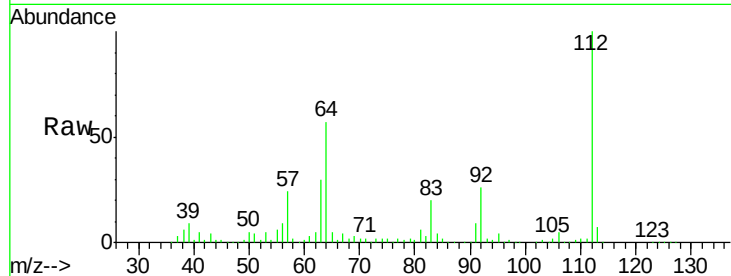
Tot Ion:112 Resp: 704864

Ion Ratio Lower Upper

112 100

64 56.6 46.1 69.1

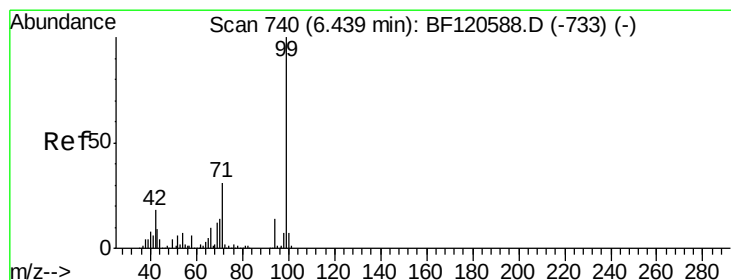
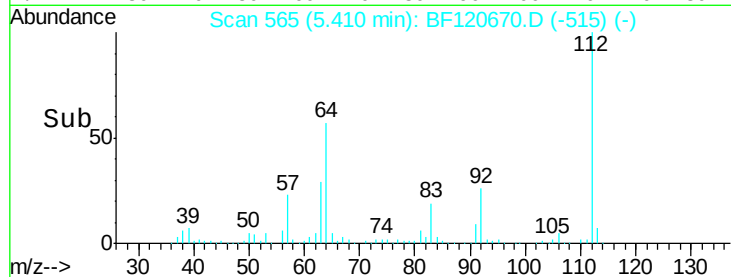
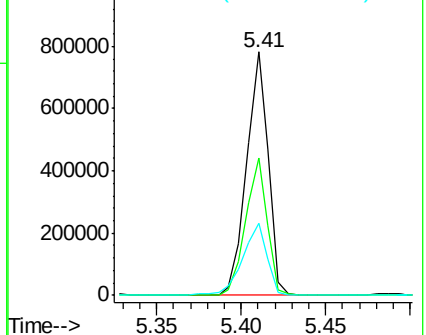
63 29.5 23.7 35.5



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: 98.770 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120670.D

Acq: 19 Jun 2020 18:19

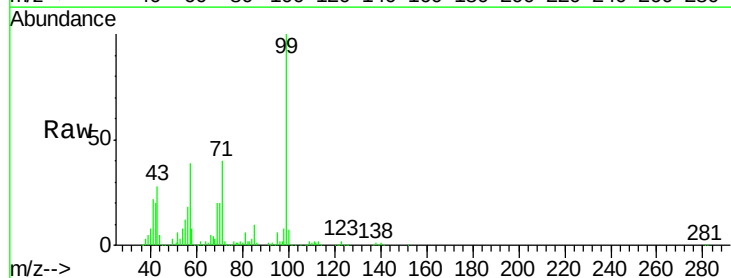
Tgt Ion: 99 Resp: 777214

Ion Ratio Lower Upper

99 100

42 20.4 14.0 21.0

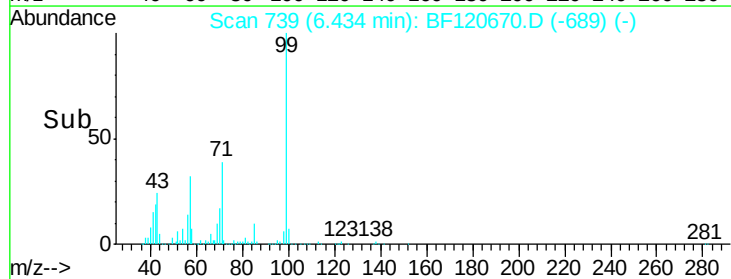
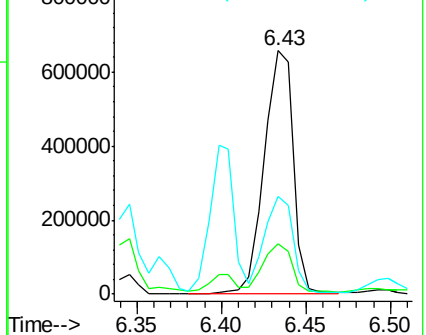
71 40.0 24.9 37.3#

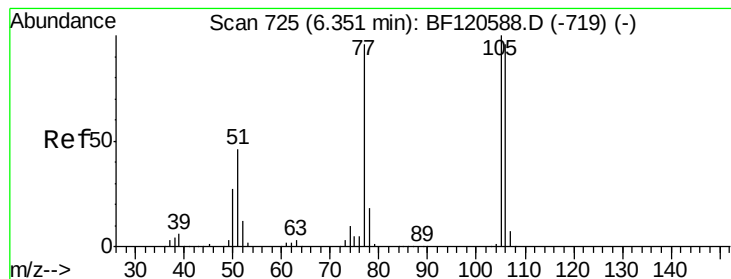


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 35.865 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.02 min

Lab File: BF120670.D

Acq: 19 Jun 2020 18:19

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)

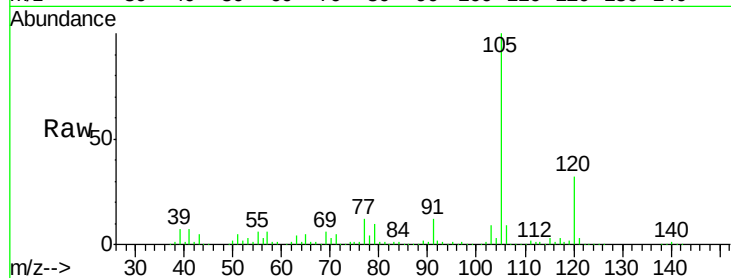
Tot Ion: 77 Resp: 178507

Ion Ratio Lower Upper

77 100

105 842.0 83.8 123.8#

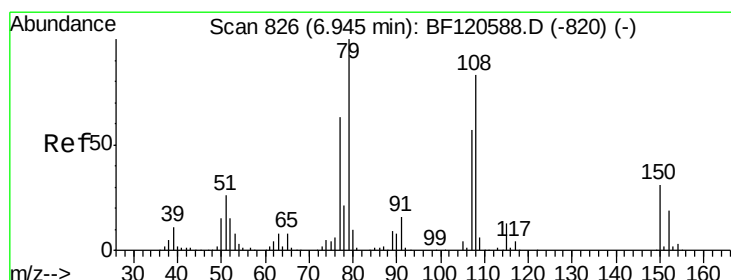
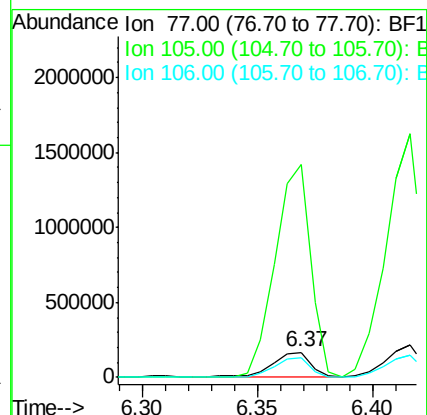
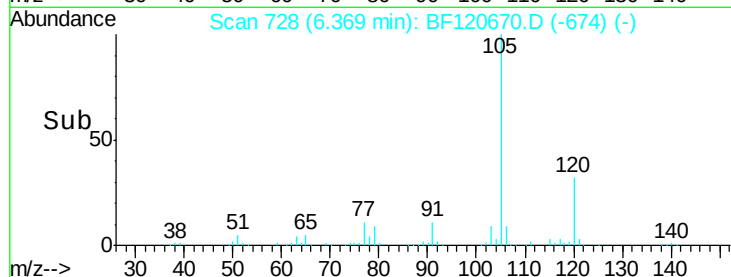
106 76.3 79.3 119.3#



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



#15

Benzyl Alcohol

Concen: 3.650 ng

RT: 6.96 min Scan# 829

Delta R.T. 0.02 min

Lab File: BF120670.D

Acq: 19 Jun 2020 18:19

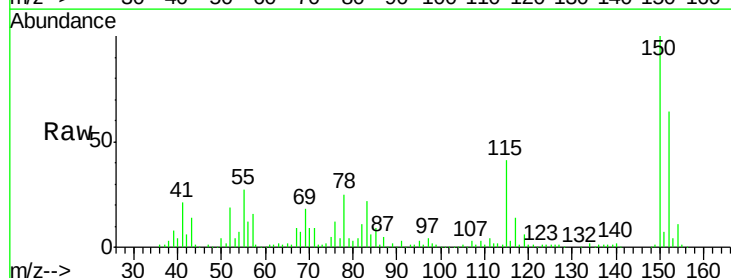
Tgt Ion: 79 Resp: 20371

Ion Ratio Lower Upper

79 100

108 32.3 66.8 100.2#

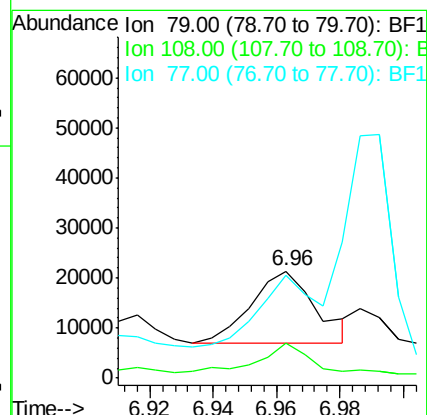
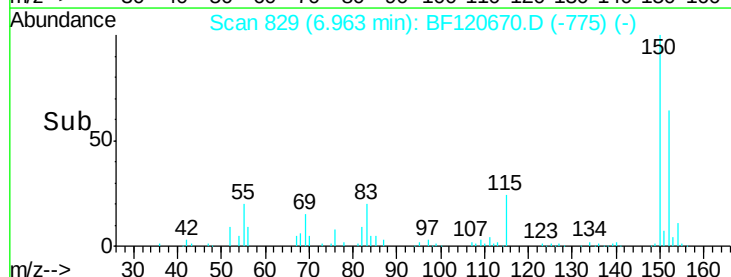
77 95.6 50.6 76.0#

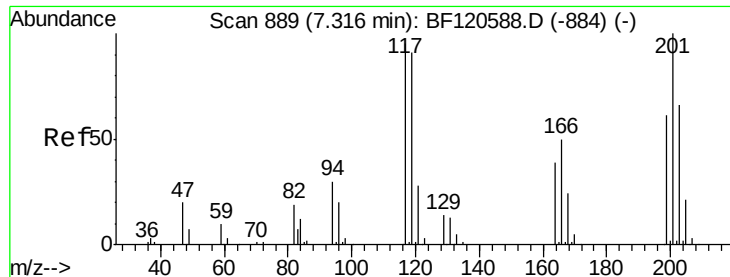


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

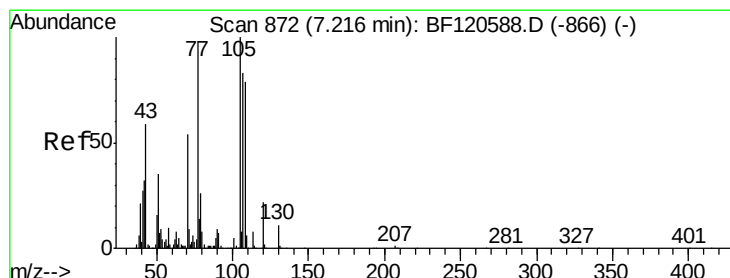
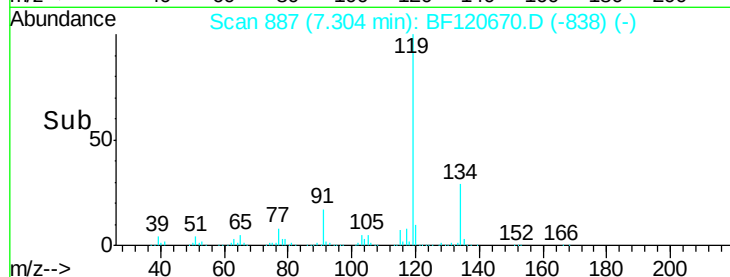
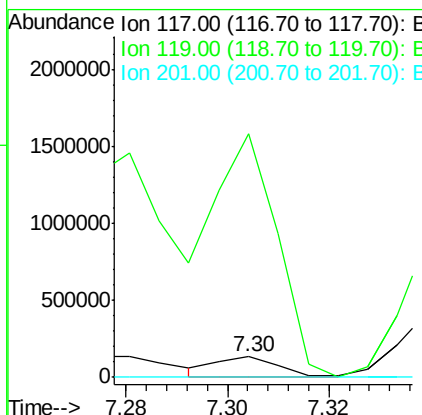
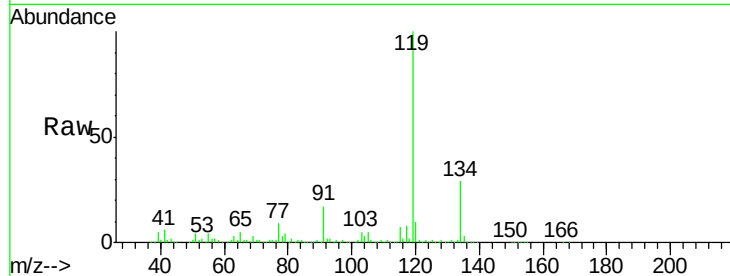




#18
Hexachloroethane
Concen: 40.914 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF120670.D
Acq: 19 Jun 2020 18:19

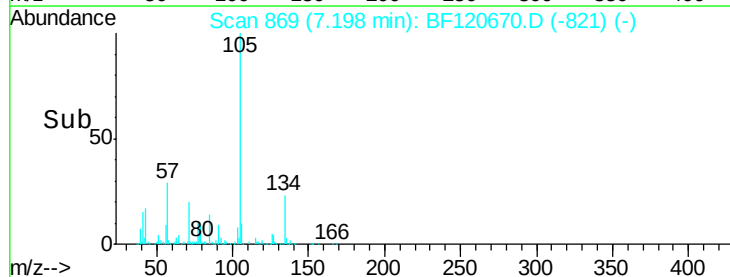
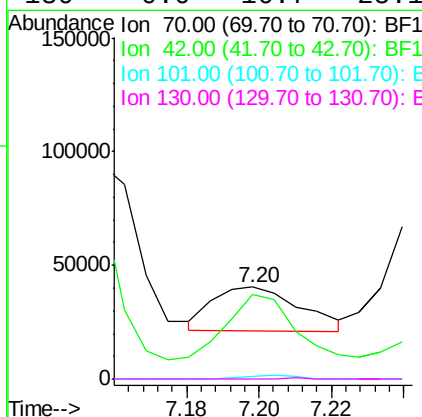
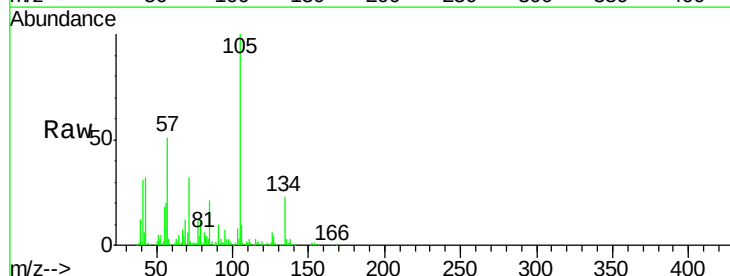
Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)

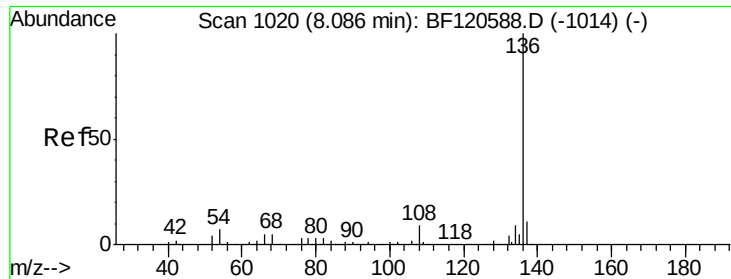
Tot Ion:117 Resp: 112898
Ion Ratio Lower Upper
117 100
119 1193.2 76.9 115.3#
201 0.0 84.6 127.0#



#19
n-Nitroso-di-n-propylamine
Concen: 7.070 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.02 min
Lab File: BF120670.D
Acq: 19 Jun 2020 18:19

Tgt Ion: 70 Resp: 32269
Ion Ratio Lower Upper
70 100
42 92.7 47.7 71.5#
101 2.7 7.6 11.4#
130 0.0 16.7 25.1#

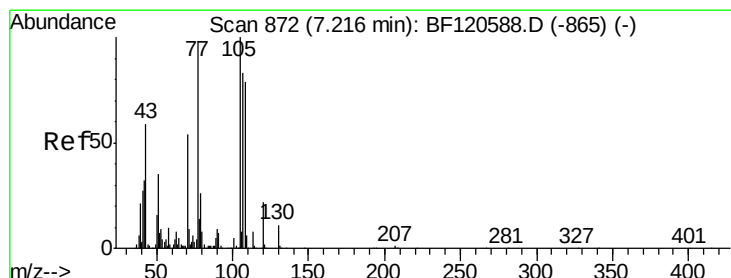
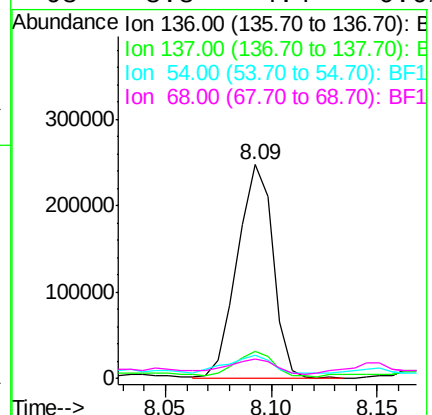
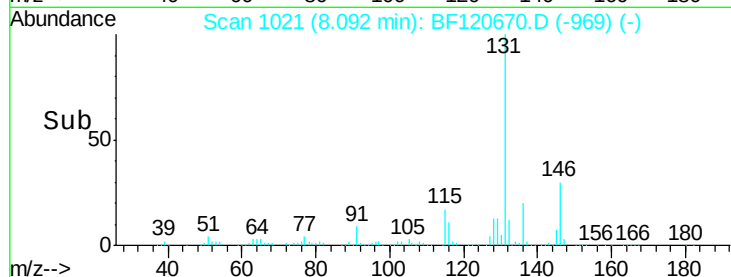
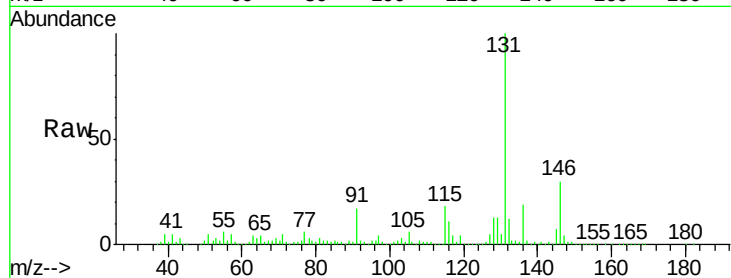




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.01 min
Lab File: BF120670.D
Acq: 19 Jun 2020 18:19

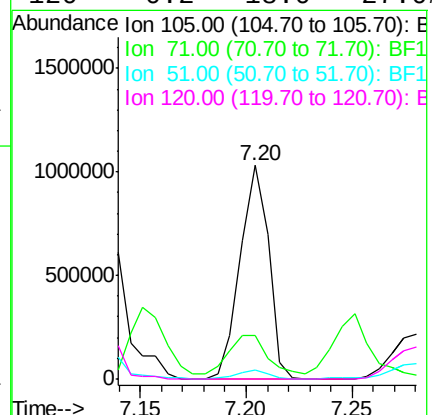
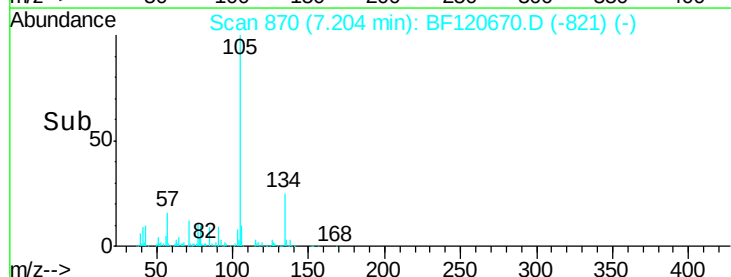
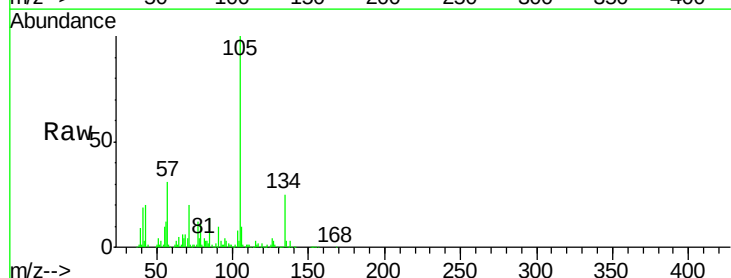
Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)

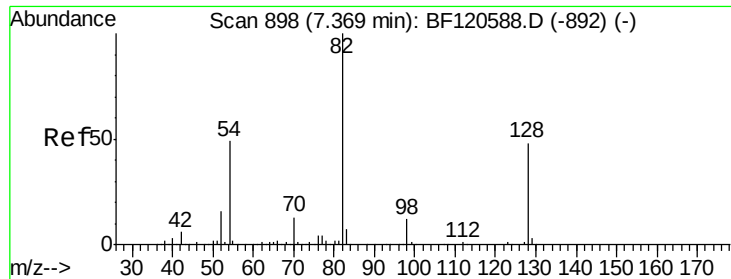
Tot Ion:136	Resp:	286963
Ion Ratio	Lower	Upper
136	100	
137	12.4	8.6 13.0
54	10.7	5.8 8.6#
68	8.8	4.4 6.6#



#22
Acetophenone
Concen: 149.387 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120670.D
Acq: 19 Jun 2020 18:19

Tgt Ion:105	Resp:	958403
Ion Ratio	Lower	Upper
105	100	
71	20.2	7.2 10.8#
51	4.4	27.8 41.8#
120	0.2	18.0 27.0#

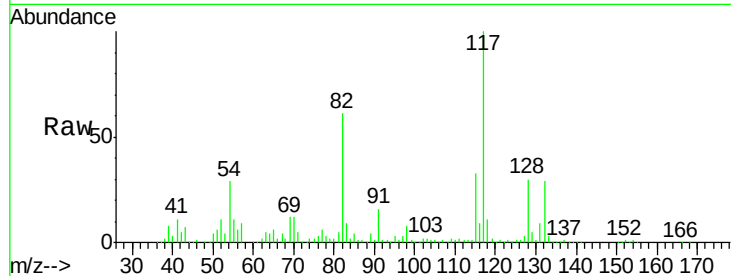




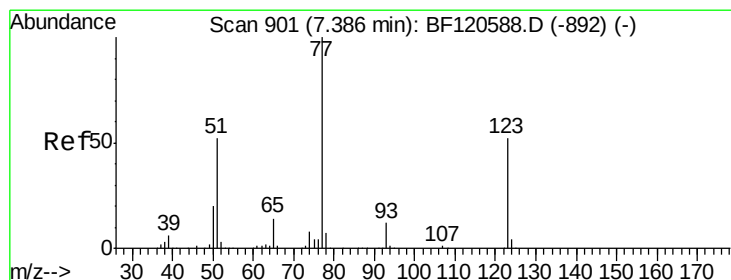
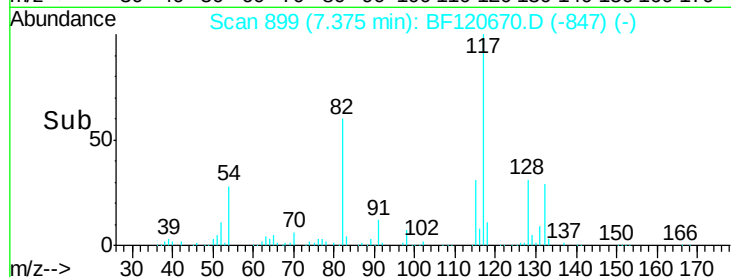
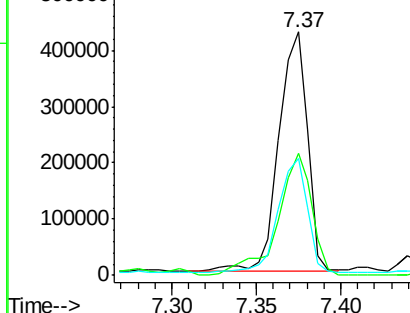
#23
 Nitrobenzene-d5
 Concen: 98.346 ng
 RT: 7.37 min Scan# 899
 Delta R.T. 0.01 min
 Lab File: BF120670.D
 Acq: 19 Jun 2020 18:19

Instrument :
 BNA_F
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Tot Ion	82	Resp	504892
Ion Ratio	Lower	Upper	
82	100		
128	50.1	38.0	57.0
54	48.0	38.8	58.2

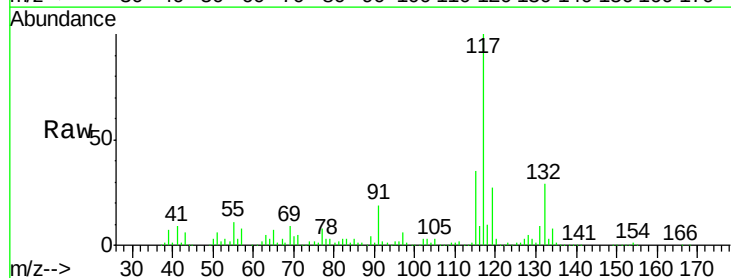


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

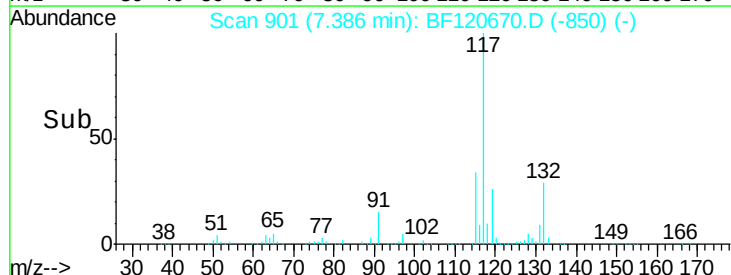
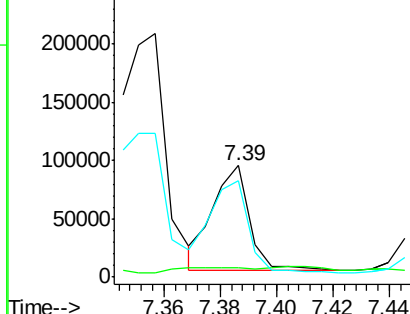


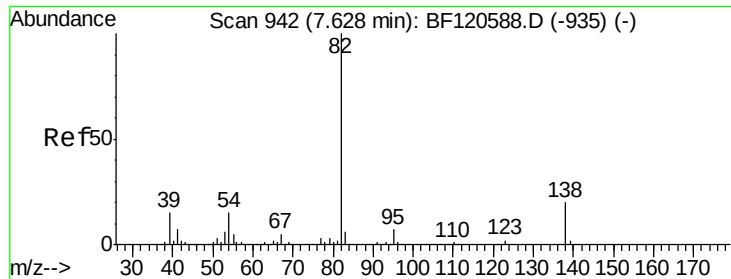
#24
 Nitrobenzene
 Concen: 15.268 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF120670.D
 Acq: 19 Jun 2020 18:19

Tgt Ion	77	Resp	82023
Ion Ratio	Lower	Upper	
77	100		
123	7.8	41.4	62.0#
65	86.7	11.0	16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1

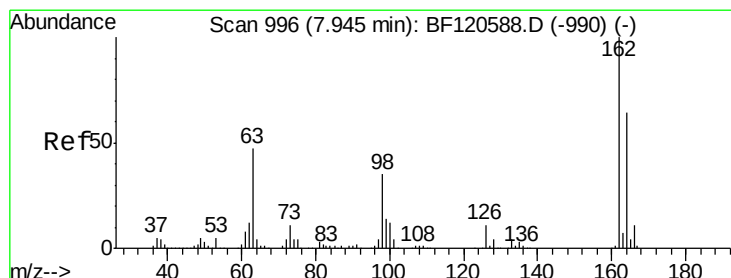
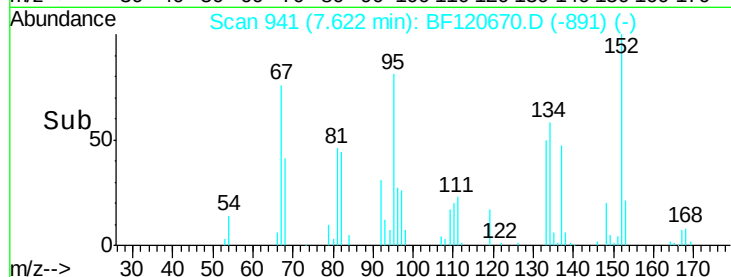
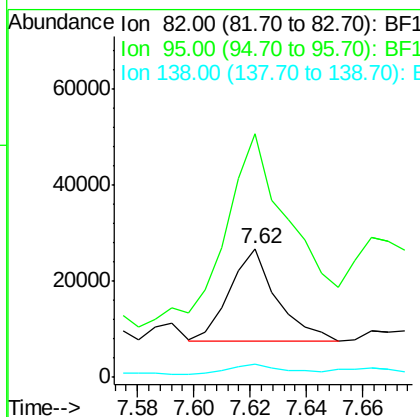
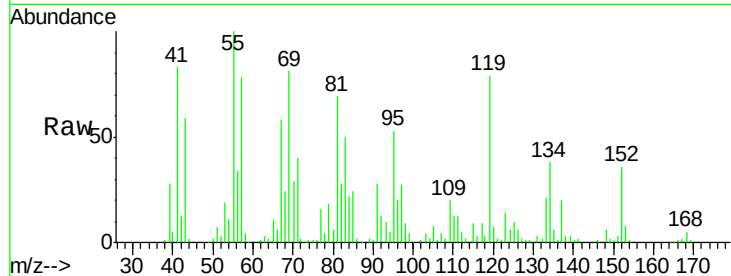




#25
Isophorone
Concen: 2.204 ng
RT: 7.62 min Scan# 941
Delta R.T. -0.01 min
Lab File: BF120670.D
Acq: 19 Jun 2020 18:19

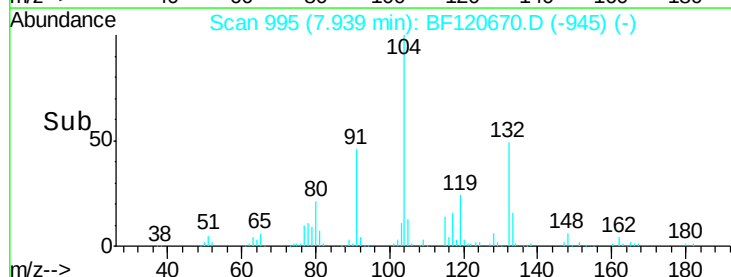
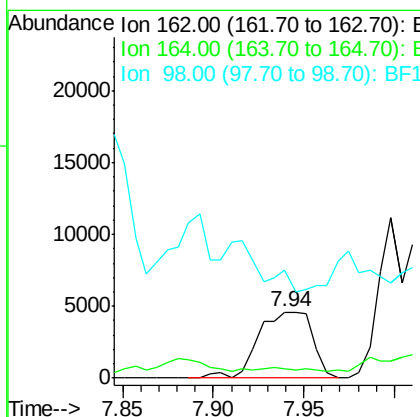
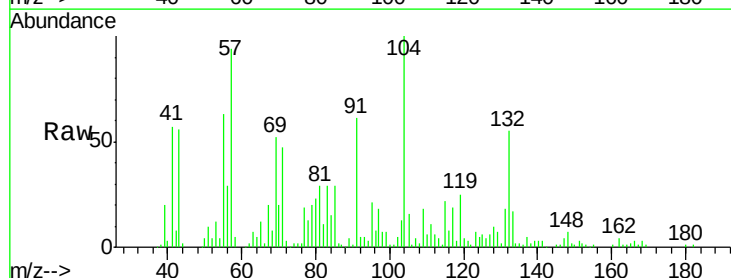
Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)

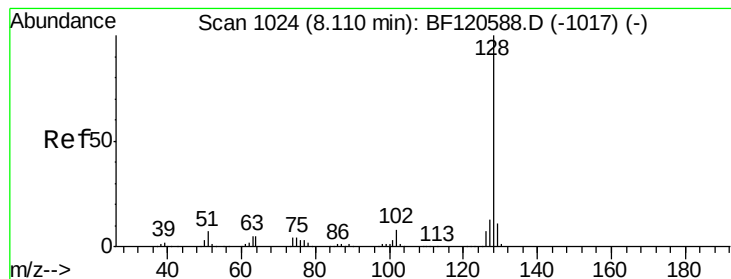
Tot Ion: 82 Resp: 22042
Ion Ratio Lower Upper
82 100
95 189.1 5.7 8.5#
138 9.8 16.2 24.4#



#29
2,4-Dichlorophenol
Concen: 2.242 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF120670.D
Acq: 19 Jun 2020 18:19

Tgt Ion: 162 Resp: 9537
Ion Ratio Lower Upper
162 100
164 13.8 44.1 84.1#
98 163.1 14.7 54.7#





#31

Naphthalene

Concen: 186.702 ng

RT: 8.12 min Scan# 1026

Delta R.T. 0.01 min

Lab File: BF120670.D

Acq: 19 Jun 2020 18:19

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)

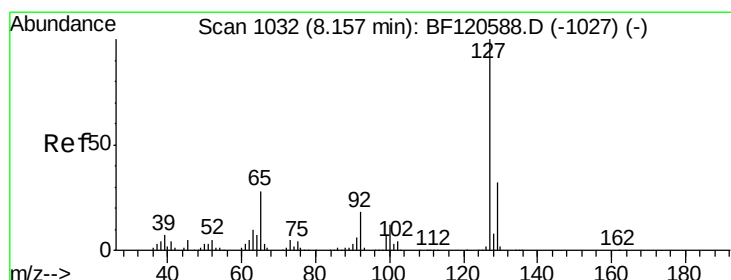
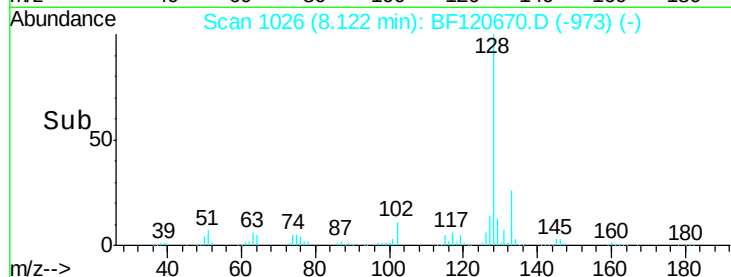
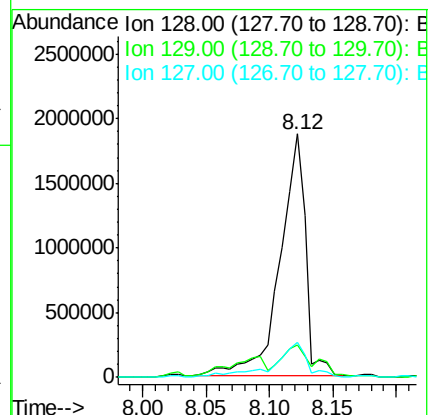
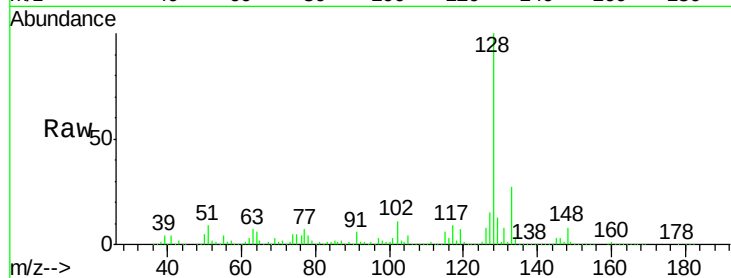
Tot Ion:128 Resp: 2630790

Ion Ratio Lower Upper

128 100

129 13.1 8.8 13.2

127 14.6 10.6 15.8



#33

4-Chloroaniline

Concen: 72.453 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.04 min

Lab File: BF120670.D

Acq: 19 Jun 2020 18:19

Tgt Ion:127 Resp: 468600

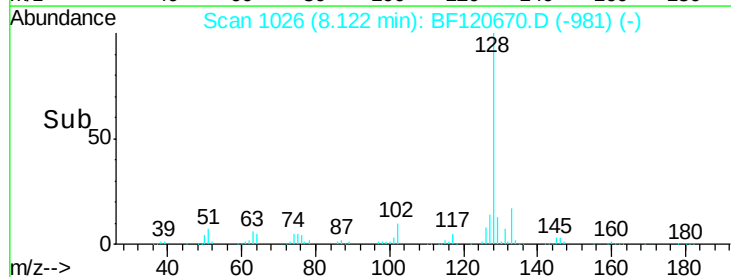
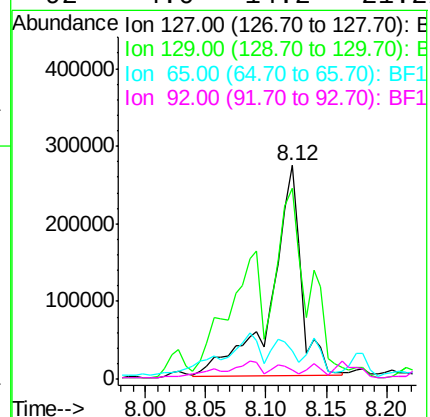
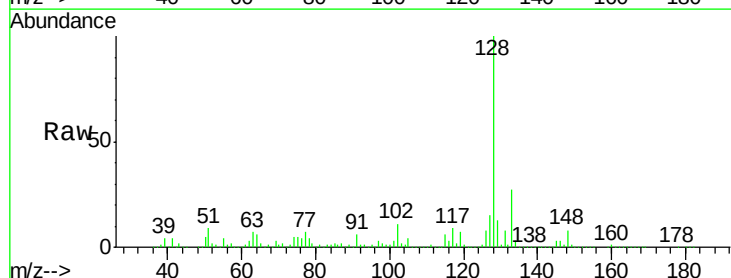
Ion Ratio Lower Upper

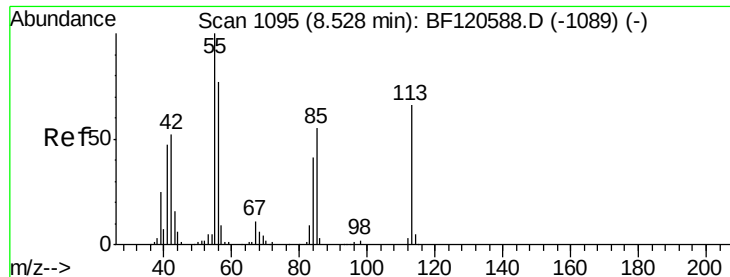
127 100

129 89.4 25.9 38.9#

65 13.1 22.2 33.4#

92 4.0 14.2 21.2#





#35

Caprolactam

Concen: 6.062 ng

RT: 8.55 min Scan# 1099

Delta R.T. 0.02 min

Lab File: BF120670.D

Acq: 19 Jun 2020 18:19

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)

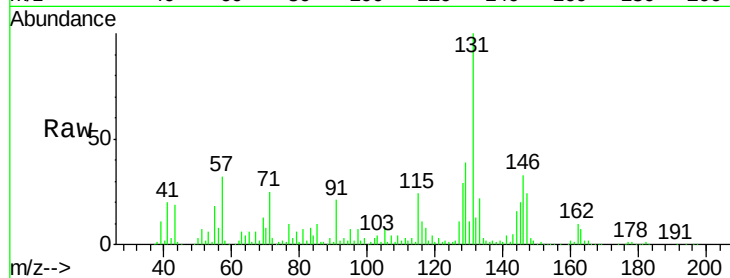
Tot Ion:113 Resp: 8248

Ion Ratio Lower Upper

113 100

55 552.8 133.1 173.1#

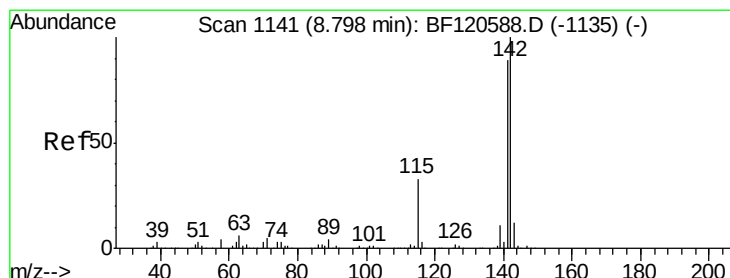
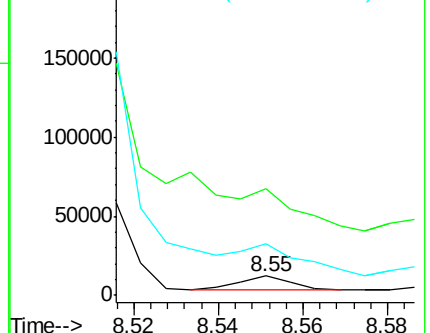
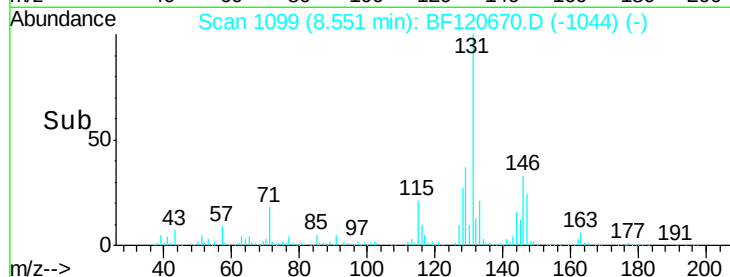
56 265.4 98.4 138.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#37

2-Methylnaphthalene

Concen: 230.561 ng

RT: 8.81 min Scan# 1143

Delta R.T. 0.01 min

Lab File: BF120670.D

Acq: 19 Jun 2020 18:19

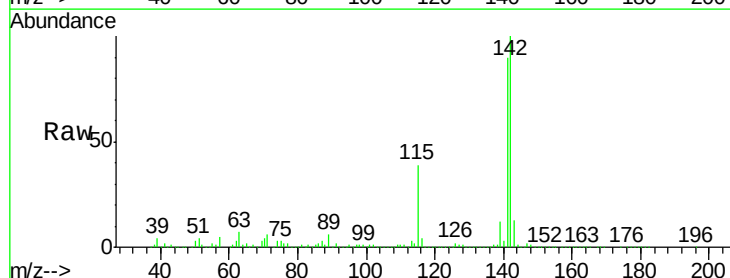
Tgt Ion:142 Resp: 2120835

Ion Ratio Lower Upper

142 100

141 89.9 71.4 107.0

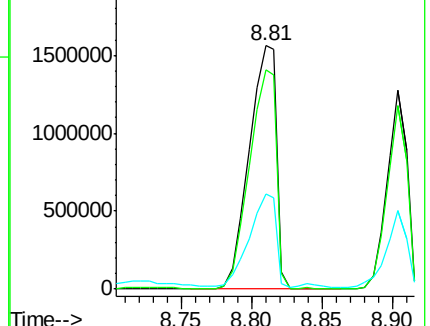
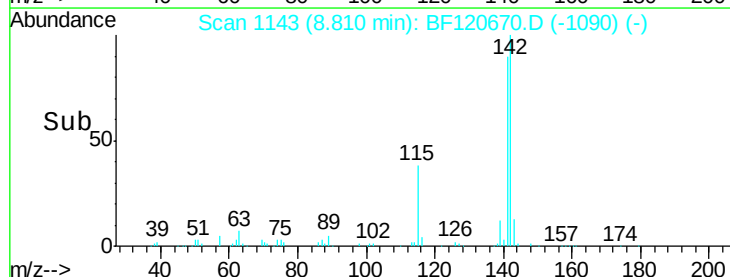
115 39.1 26.1 39.1

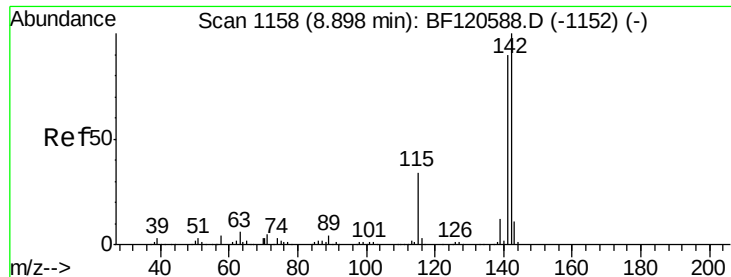


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

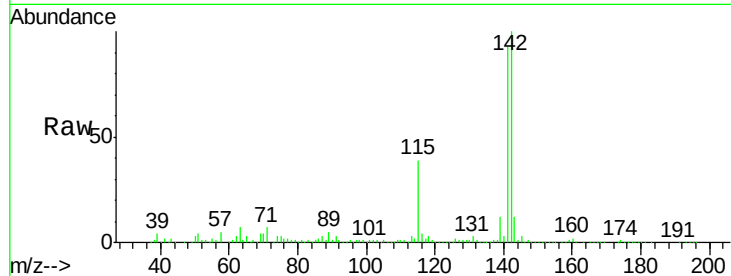




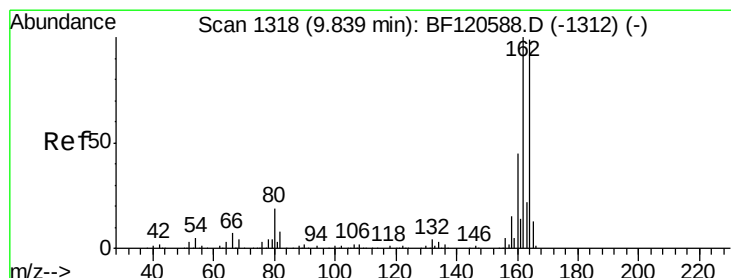
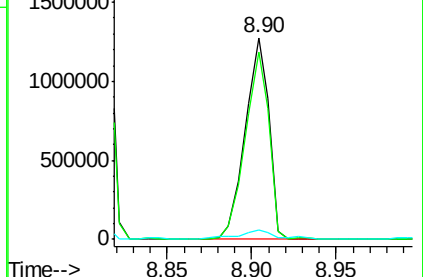
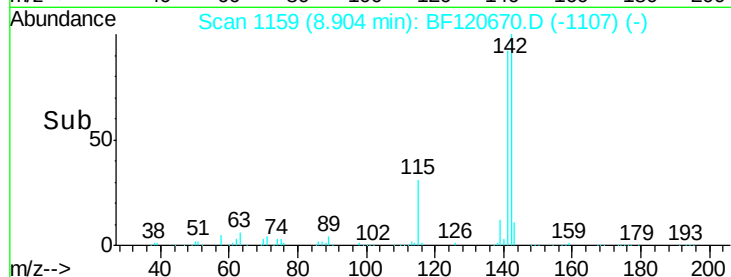
#38
1-Methylnaphthalene
Concen: 144.489 ng
RT: 8.90 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF120670.D
Acq: 19 Jun 2020 18:19

Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)

Tot Ion:142 Resp: 1250649
Ion Ratio Lower Upper
142 100
141 92.5 72.1 108.1
116 4.5 2.7 4.1#

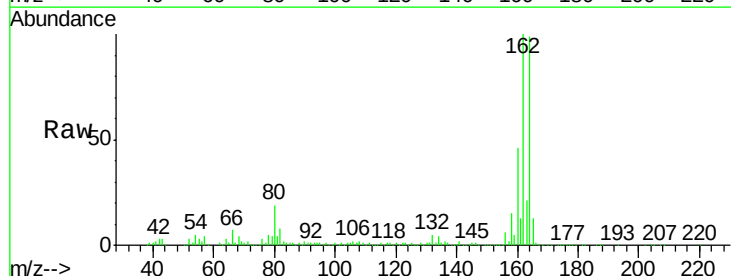


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

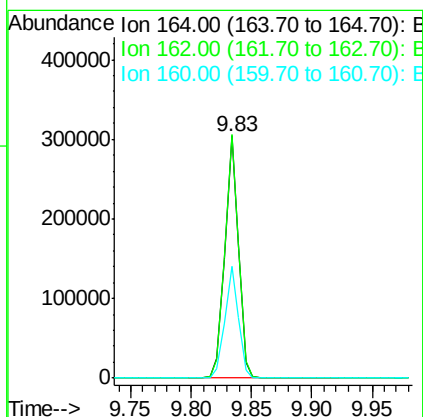
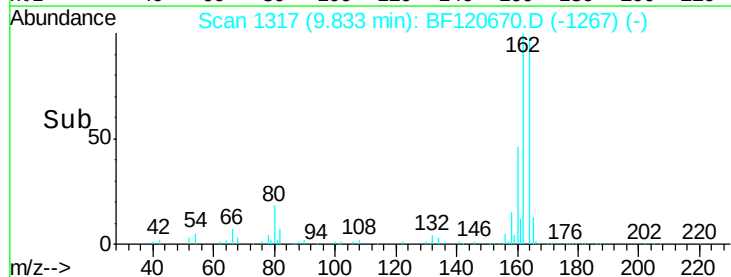


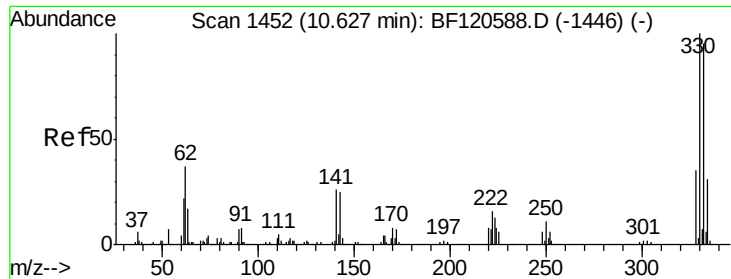
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF120670.D
Acq: 19 Jun 2020 18:19

Tgt Ion:164 Resp: 238024
Ion Ratio Lower Upper
164 100
162 100.6 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

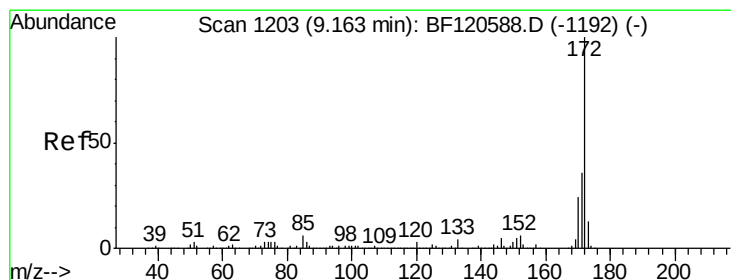
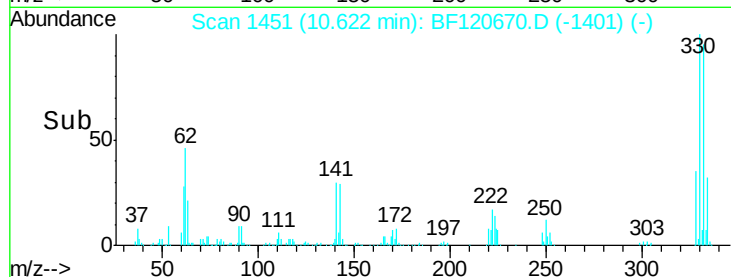
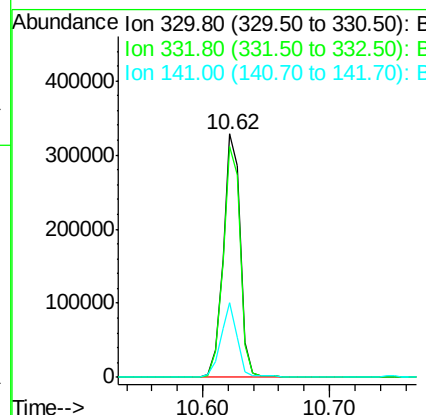
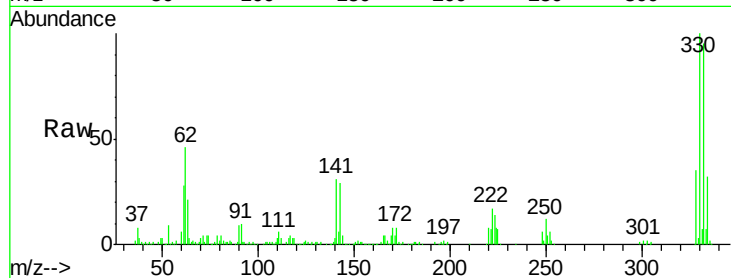




#42
 2,4,6-Tribromophenol
 Concen: 112.013 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF120670.D
 Acq: 19 Jun 2020 18:19

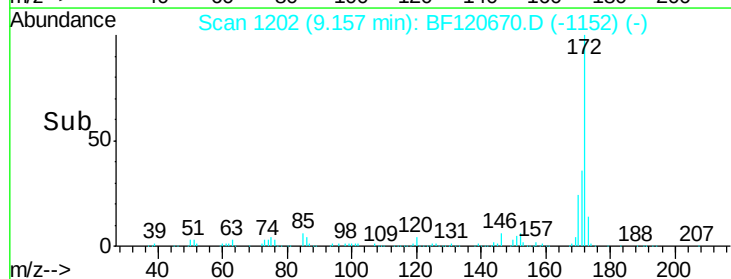
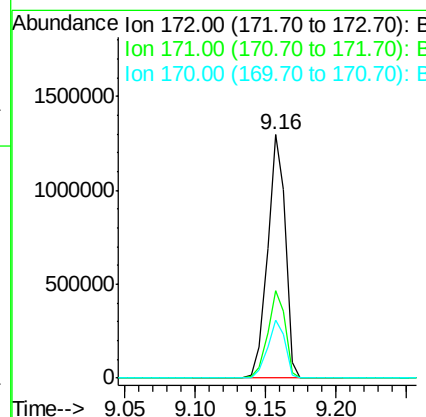
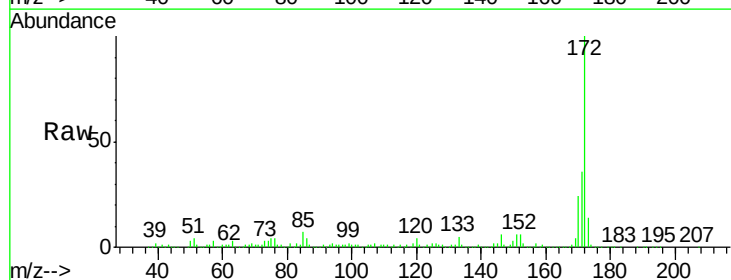
Instrument :
 BNA_F
 ClientSampleId :
 MW-27(16.5-18.5)

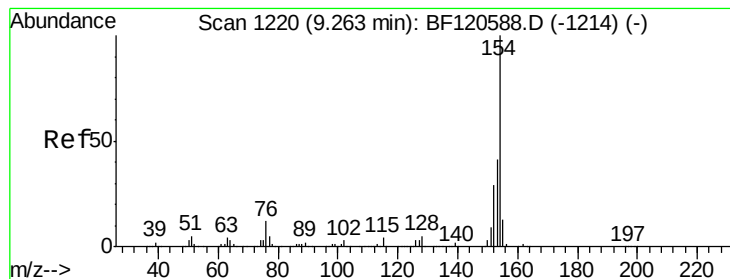
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.8	115.2
141	29.0	23.2	34.8



#45
 2-Fluorobiphenyl
 Concen: 74.257 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120670.D
 Acq: 19 Jun 2020 18:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	23.9	19.4	29.2





#46

1,1'-Biphenyl

Concen: 5.508 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BF120670.D

Acq: 19 Jun 2020 18:19

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)

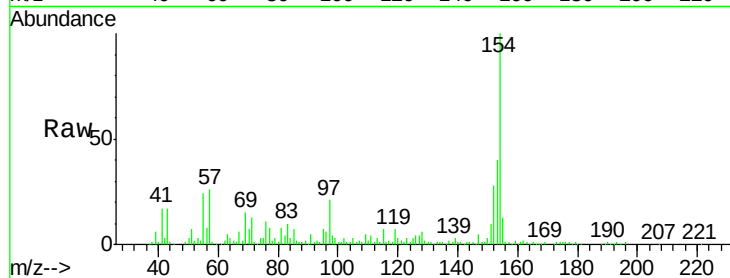
Tot Ion:154 Resp: 97903

Ion Ratio Lower Upper

154 100

153 40.0 21.4 61.4

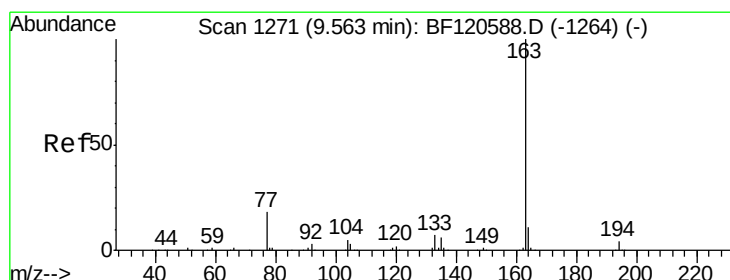
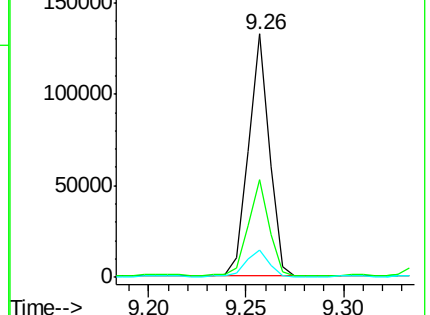
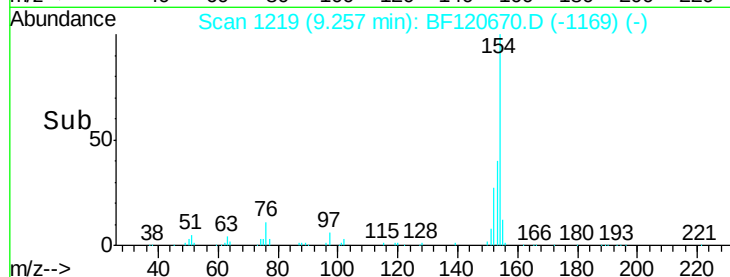
76 11.4 0.0 31.6



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



#50

Dimethylphthalate

Concen: 16.251 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120670.D

Acq: 19 Jun 2020 18:19

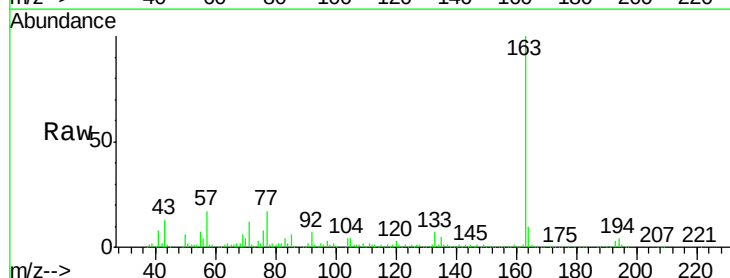
Tgt Ion:163 Resp: 278588

Ion Ratio Lower Upper

163 100

194 4.4 3.1 4.7

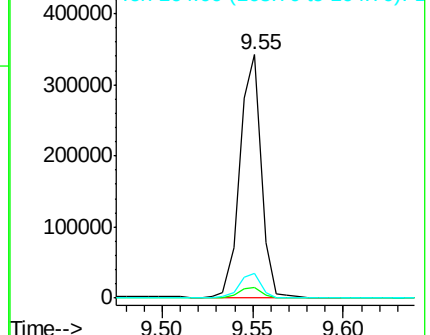
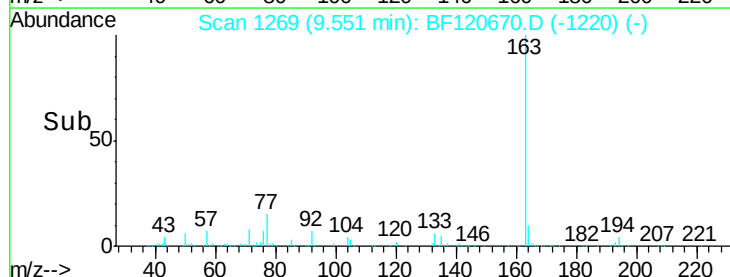
164 10.0 8.5 12.7

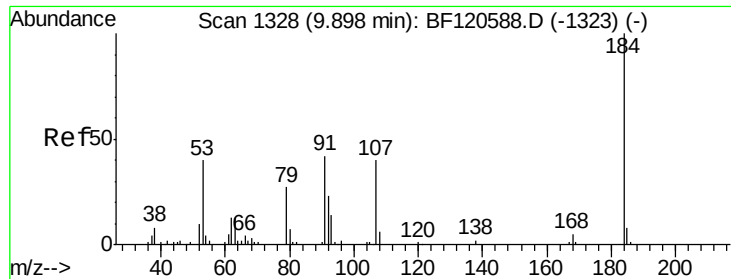


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

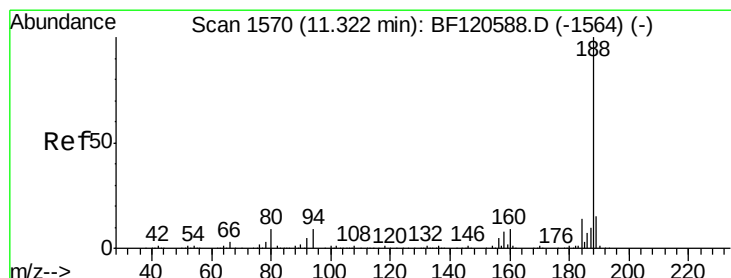
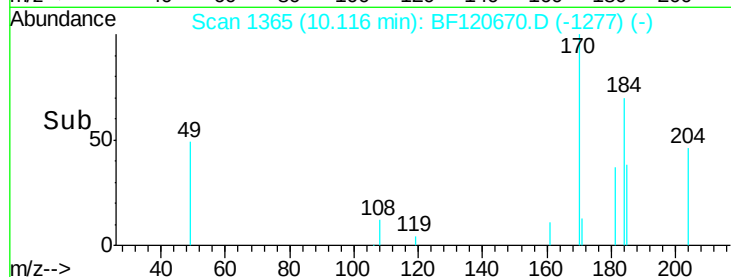
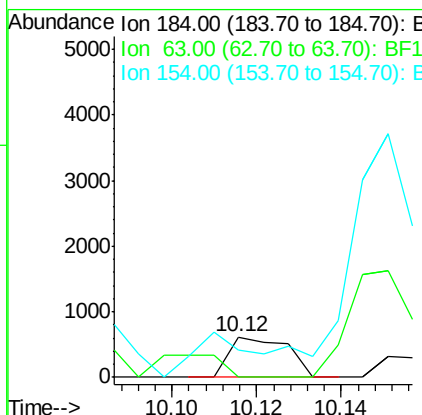
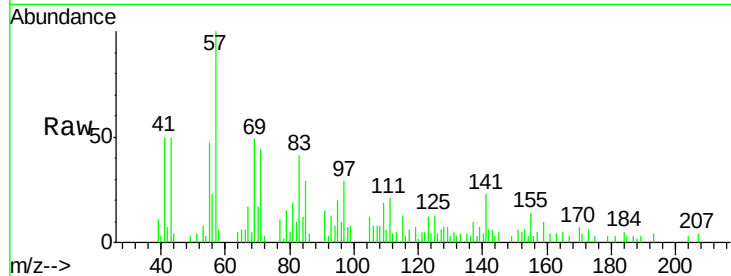




#54
 2,4-Dinitrophenol
 Concen: 3.310 ng
 RT: 10.12 min Scan# 1365
 Delta R.T. 0.22 min
 Lab File: BF120670.D
 Acq: 19 Jun 2020 18:19

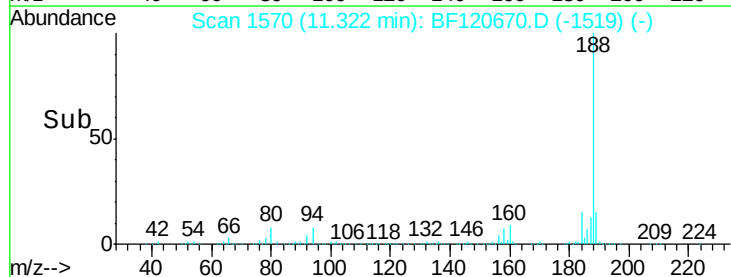
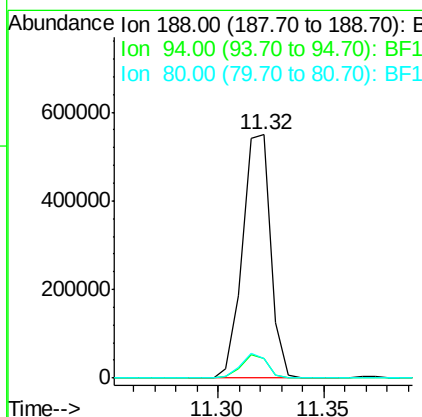
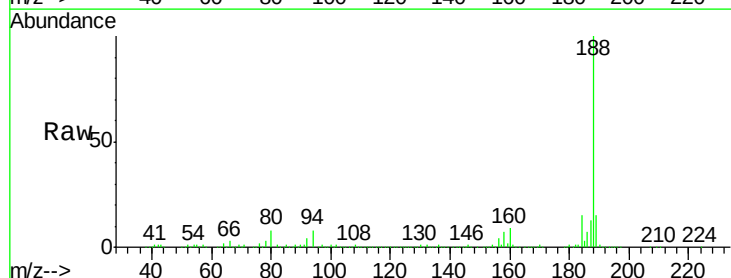
Instrument :
 BNA_F
 ClientSampleId :
 MW-27(16.5-18.5)

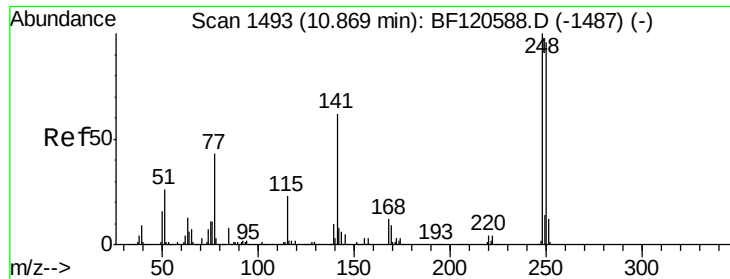
Tot Ion:184 Resp: 586
 Ion Ratio Lower Upper
 184 100
 63 0.0 44.2 66.2#
 154 68.7 45.9 68.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF120670.D
 Acq: 19 Jun 2020 18:19

Tgt Ion:188 Resp: 507514
 Ion Ratio Lower Upper
 188 100
 94 7.9 7.2 10.8
 80 8.0 7.4 11.2

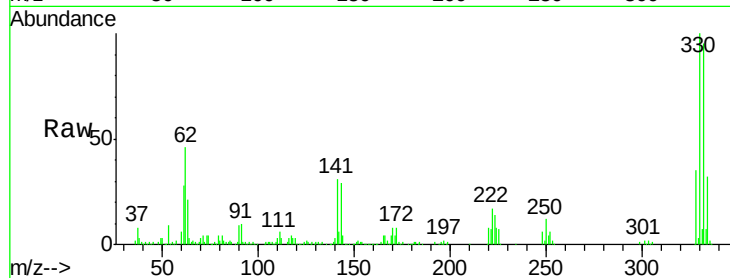




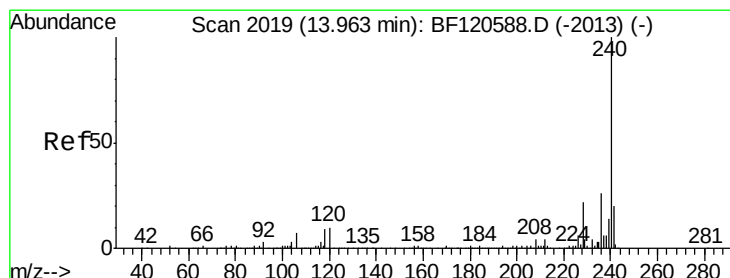
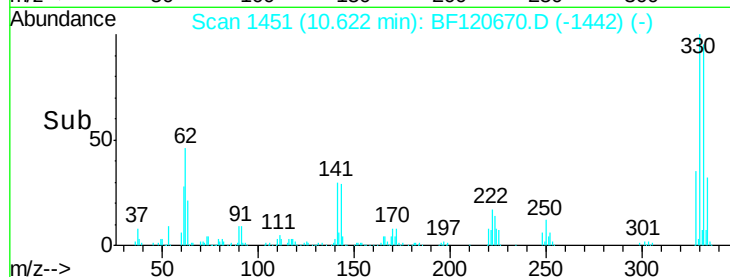
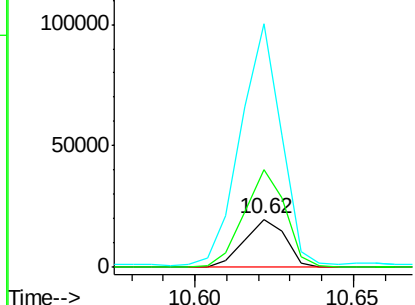
#67
 4-Bromophenyl-phenylether
 Concen: 3.086 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.25 min
 Lab File: BF120670.D
 Acq: 19 Jun 2020 18:19

Instrument :
 BNA_F
 ClientSampleId :
 MW-27(16.5-18.5)

Tot Ion:248 Resp: 17773
 Ion Ratio Lower Upper
 248 100
 250 203.6 76.7 115.1#
 141 506.1 49.4 74.0#

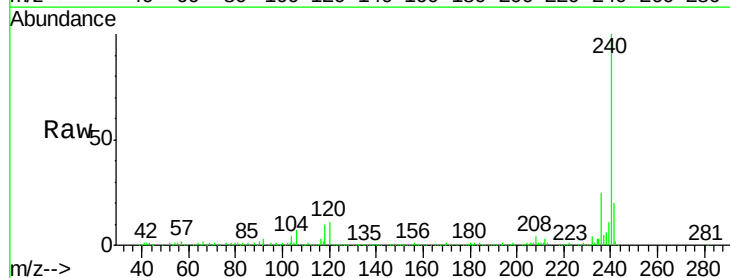


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

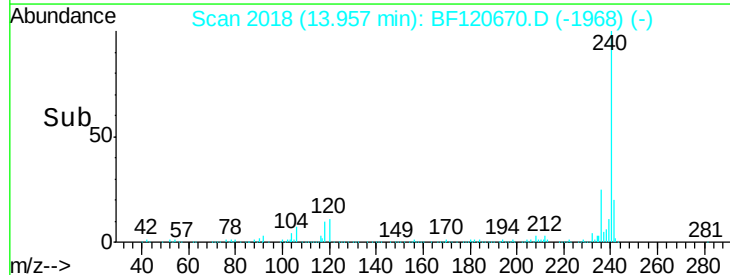
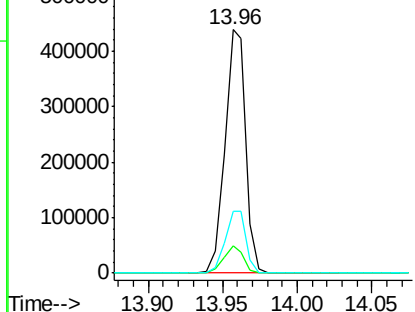


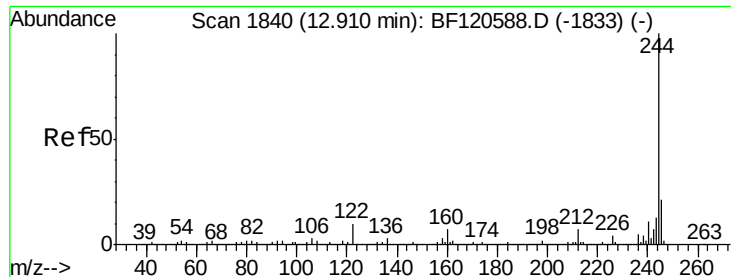
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF120670.D
 Acq: 19 Jun 2020 18:19

Tgt Ion:240 Resp: 428823
 Ion Ratio Lower Upper
 240 100
 120 11.2 8.3 12.5
 236 25.4 21.0 31.4



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





#79

Terphenyl-d14

Concen: 74.315 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF120670.D

Acq: 19 Jun 2020 18:19

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)

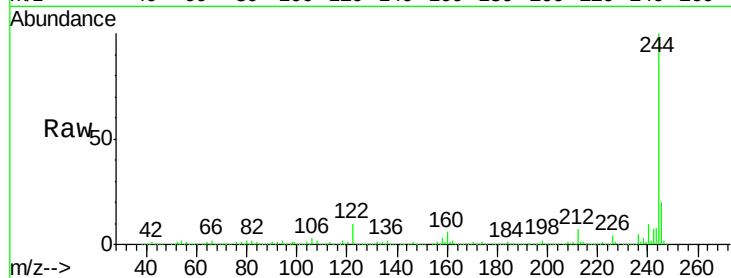
Tot Ion:244 Resp: 1442730

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

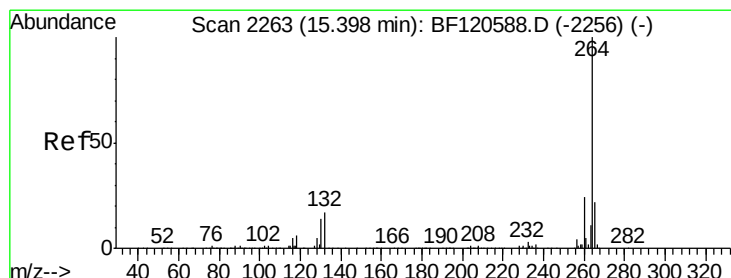
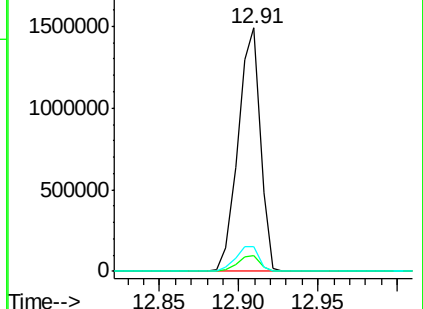
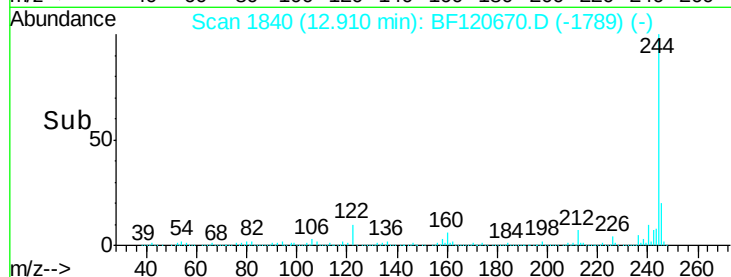
122 10.3 8.3 12.5



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF120670.D

Acq: 19 Jun 2020 18:19

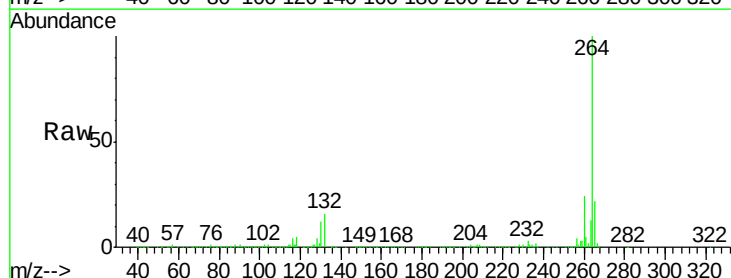
Tgt Ion:264 Resp: 494534

Ion Ratio Lower Upper

264 100

260 24.2 19.3 28.9

265 21.5 17.8 26.8



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

